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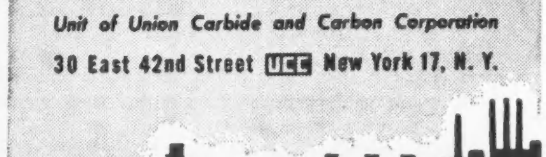

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Fats, Oils Controls Continuance Voted

The administration's request for continued control over exports was approved last week by the senate and house banking committees. By a vote of 16 to 6 the house committee agreed to report the Spence bill (H.R. 1661) February 3. The following day the senate committee ordered a favorable report on the Maybank bill (S. 548), and it will be taken up for passage in the senate today. Both bills would extend the export control program until June 30, 1951.

Favorable action by the committees followed several days of hearings, where the government's handling of the export fats and oils problem was sharply criticized by members of the fats and oils trade. Chairman Brent Spence, of Kentucky, said later that while the house committee made no changes in the legislation to relax controls over these products, he had received assurances from the White House that the President would give the Department of Agriculture final authority in this matter. Export quotas are now established by the Department of Commerce.

The action followed by two days an announcement of the Office of International Trade of the Department of Commerce that its controls over exports of most inedible fats and oils would end today, February 7. (*See story below*).

The fats and oils industry made strong appeals for restrictions in the export control programs that would force the government to relax its controls over exports of edible products. Industry spokesmen were heard at hearings on both the Spence bill and the senate's Maybank bill (S. 548), which also would continue the control powers of the administration.

The industry representatives took issue with assertions of government witnesses that edible fats and oils were still in tight supply, and charged that instead of there being any shortage, there is a surplus of supplies.

A. L. Durand of the National Cottonseed Products Association, described the

—*Continued on page 86*

Inedible Fats and Oils Export Controls Lifted

Controls will be removed from the export of most inedible fats and oils, effective today, February 7, the Office of International Trade of the Department of Commerce announced on February 1.

Among the inedible fats and oils removed from the positive list of goods requiring specific licenses for export are all soaps, flaxseed, linseed oil, fish oil, olive oil foots, inedible tallows and greases, stearic acid, oleic acid, neatsfoot oil, fatty acids of vegetable origin, vegetable oil foots and soap stock. These products were decontrolled because of generally improved supplies.

United States prices of these products are lower than they have been at any time since the removal of OPA price ceilings and the prospects for increased production during the next half year are good.

OIT officials pointed out that existing

—*Continued on page 87*

Fats, Oils Allocations Total 105,000,000 lbs.

Supplemental export allocations totaling 105,000,000 pounds of edible fats and oils for the January-March quarter of this year were announced on February 1 by the Production and Marketing Administration. The allocations consisted of 35,000,000 pounds each of cottonseed oil, soybean oil and lard.

On the following day, PMA announced an additional group of allocations, cancellations and changes. The breakdown of the first 105,000,000 pounds allocated is as follows:—

Cuba was allocated 1,000,000 pounds of cottonseed oil, 500,000 pounds of soybean oil and 3,000,000 pounds of lard, all for commercial procurement.

The bizonal area of Germany was allocated 5,500,000 pounds of cottonseed oil and 8,000,000 pounds of soybean oil for PMA procurement, and 13,200,000 pounds

—*Continued on page 87*

House Small Business Committee Reactivated

The small business investigating committee was reestablished in the house on February 2 after a brief debate on H. Res. 22, during which members lauded the work of the committee in the past. Representative Wright Patman, of Texas, who headed the committee from the time it was first created in 1941, except for two years when the Republicans were in control of Congress, was again made chairman.

Other members of the committee are:—Representatives Joe L. Evins, of Tennessee; Charles A. Halleck, of Indiana; Porter Hardy jr., of Virginia; William S. Hill, of Colorado; Eugene J. Keogh, of New York; F. H. Lichtenwalter, of Pennsylvania; Mike Mansfield, of Montana, and R. Walter Riehlman, of New York.

FTC Powers Curb Proposed in House

Representative Joseph O'Hara of Minnesota has introduced a revised version of his bill requiring the Federal Trade Commission to get court approval of its cease and desist orders against alleged unfair or deceptive practices of industries. It differs from his earlier bill (H. R. 1561) in only one minor respect, however.

The new bill (H. R. 1819) contains a clause that will permit the commission to accept stipulations from industry admitting violations of Section 5 of the FTC act prior to filing of a complaint. It also makes certain that there is nothing intended in the proposed change in the law that would limit the authority of the commission to hold trade practice conferences for the promulgation of general rules for the guidance of a particular trade or industry.

His earlier bill was silent on these two subjects and thus raised the question whether the commission could continue to accept stipulations or hold trade practice conferences.

Margarin Tax Hearing Mar. 1

Hearings on the controversial margarin taxes repeal subject will begin before the house agriculture committee on March 1, Harold D. Cooley of North Carolina, chairman of the committee, said last week that the hearings will be confined to the "legislative merits" of eighteen bills introduced on the subject. He thought four days should be enough to complete the committee's hearings.

Supreme Court Agrees to Review Decision on Basing-Point Pricing

Some of the issues that have developed out of the decision of the Supreme Court of the United States on basing-point pricing systems may be clarified by the court later this year, as a result of action by the court on January 31 agreeing to review the ruling of the United States Court of Appeals for the Seventh Circuit in the rigid steel conduit case.

The principal question involved in the case is whether the use of basing point pricing systems that result in the same delivered prices by competing firms is illegal even though no question of conspiracy is involved. The lower court, relying on the supreme court's decision in the cement case, held it to be unlawful.

The case reached the highest court on appeal by the defendant companies involved which was joined in by the Federal Trade Commission because "the public interest would be served" by supreme court review. One side aspect of the court's decision to review may be a delay by Congress in consideration of pending legislation seeking to "clarify" the legality of geographic pricing until the court has rendered its decision.

The rigid steel conduct manufacturers are charged by the Federal Trade Commission with violating the antitrust laws on two counts. The first count accuses the companies of conspiring to fix prices through use of their basing point systems. The second count accuses the companies of violating the law by using a uniform delivered price system merely in the knowledge that the other companies are using a similar system.

Second Count Confusing

It is this second count, which was upheld by the Circuit Court, that has caused much of the confusion in industry over the legality of geographic pricing. It is contended that the action of FTC in charging law violation under this count without alleging conspiracy is proof of industry charges that FTC is attempting to force all industry to a f.o.b. mill pricing system.

In their petition for review, the conduit manufacturers said that the FTC action posed the question of "whether a seller of conduit may independently make use of a basing point method of quoting prices for and selling conduit, with knowledge that other conduit sellers also are using the method, but without agreement, combination or conspiracy, or discrimination in price.

"That question is one of far-reaching importance, presenting as it does serious consequences to the entire economic and business structure of the country," they say.

It was stated at the supreme court that the case may be reached for argument during April, if the counsel for the companies and FTC are ready.

Ammonium Sulphate Plant Sale Offer Draws 4 Bids

Four offers to purchase the government's synthetic ammonium sulphate plant at Salem, Ore., were received by the War Assets Administration on February 2. The plant is now being operated under an interim lease, expiring June 30, by Columbia Metals Corporation.

Manganese Products, Inc., Seattle, Wash., offered $750,000 for the plant, which it said would be paid off in five years from sale of manganese and ammonium sulphate at the rate of $2.50 per ton for manganese and $1 per ton for the sulphate.

The J. R. Simplot Company, Boise, Idaho, offered $225,000, of which $45,000 would be paid in cash upon the signing of the contract and the remainder would be paid in ten equal annual instalments with interest at the rate of 4 percent.

J. O. Gallagher, president, and A. W. Metzger, vice-president of Columbia Metals Corporation, acting on their own behalf, offered $100,000 and a royalty of $1.50 per ton for five years on the ammonium sulphate produced, plus 75 percent of the gross proceeds received from the sale of machinery and equipment not needed in the plant's operation.

Beasley & Beasley, Washington, D. C., informed the agency by letter that it had a client willing to make a cash offering for the plant if the national security clause is not included in the contract. No indication was given of the amount that would be offered.

Fuels Research Policy Committee Established

Formation of a committee to determine policy on research and development in the field of fuels and lubricants as they affect the National Military Establishment was announced on February 3 by the Research and Development Board.

The committee's responsibilities include consideration of organic and inorganic liquids, solid and gaseous fuels, lubricating agents, hydraulic fluids, instrument oils, and antifreeze compounds. The group will also study equipment and techniques for production, storage and handling, and dispensing.

Industry Agreements Bill Gets Congressional Approval

The senate-approved Maybank bill (S. 547) to extend the voluntary agreements program for seven months until September 30, 1949, was passed by the house and sent to the President for his signature on February 2. Approval was given by a voice vote.

The bill had been passed previously by the senate after rejection by a vote of 31 to 48 of an amendment to extend the program until March 31, 1950. The Republicans sponsored the amendment in the hopes that its adoption would stave off demands for compulsory controls.

Public Law 395, under which voluntary allocation agreements by industry are now drawn up, is scheduled to expire February 28.

House Group Would Restore Trade Pact Power to Truman

By a vote of 17-8 the house ways and means committee on February 2 agreed to report the Doughton bill (H. R. 1211) to repeal the 1948 amendments to the reciprocal trade agreements act and extend the authority of the President to negotiate trade agreements until June 12, 1951. Two Republicans voted with fifteen Democrats to report the bill to the house.

Democratic leaders said that the measure would be taken up on the house floor for passage tomorrow. While a political fight is anticipated, it is expected that the measure will be passed without change and sent to the senate for concurrent approval.

Price Trend Again Downward

Price views in the markets for chemicals, oils, and drugs were distinctly recessive last week. Here and there the force of circumstances effected an advance; but no division of the markets scored an appreciable gain. Lower averages were set up in four of the ten. This pushed the overall index number down another 0.4 point to a mark lower than any since the middle of September, 1947.

Fats and oils were again the major contributor to the recession. Assistance was given by essential oils, botanical drugs, and egg products. Heavy chemicals were pricewise inactive with one exception in the agricultural group—ammonium nitrate with dolomite, which was advanced. Coaltar industrial chemicals also were without price change. Other organics were mixed, alcohol and several other alkyl compounds and menthol being reduced; sulfa drugs and cinchophens being advanced. The nonferrous metals were without major interest, a cut in quicksilver being the only change recorded, but offerings of foreign lead were cheaper.

The weakness in fats and oils ran all through domestic vegetable and animal oils, animal fats, and even vegetable waxes. It encompassed copra and coconut oil also. The agricultural situation was reflected also by cuts in egg albumen, milk powders, and casein. Potato starch was advanced. Essential oils, botanical drugs, and spices were moved both ways, as usual, the bigger pushes being downward. Further lowering of prices of petroleum fuels was in progress; but the bottled gases were getting tight.

Seasonal improvement in calls for some agricultural chemicals was reported; other materials are expected to liven up this month. Here and there a glimpse can be got of a more optimistic view of the still laggard buying interest. But, everybody appears to be bent on keeping inventories at the lowest possible safe mark. Producers' stocks of some big-volume chemicals are getting a bit heavy because of employment disruptions in substantial consuming plants. This is aggravating the influence of the voluntary slowdowns in other lines, especially in leather and textiles. Resale business continues to shrink in various areas.

OPD Price Index

The Oil, Paint, and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Feb. 4, 1949	Jan. 28, 1949	Feb. 6, 1948
141.1	141.5	147.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.6

Critical Materials Stockpiling Gains

The national stockpile of strategic materials has been greatly improved, but it is still short of what it should be, the Munitions Board told Congress on February 3 in its semiannual stockpiling report for the last half of 1948.

All funds available for the entire fiscal year running until June 30, 1949, had been spent, obligated or earmarked by the end of 1948, with six months of the fiscal year yet to go. However, a better balance had been achieved, the board said, and stocks of most of the materials being stockpiled were on hand. Quantities in the stockpile of most of these materials were below what is considered essential for national security.

The report stressed the high priority nature of the stockpile, stating that it is a vital part of the entire plan for national security. It also pointed out that the materials which are being accumulated will be for both essential civilian and military use in an emergency.

Program Will Ease Shortages

"The objectives of the program are minimum ones," the board said. "Even when these objectives have been fully met, the stockpile would not be able to cure all wartime shortages. It would do no more than ease the desperately critical shortages that might otherwise block our war production completely."

While stockpiling lagged during the year immediately after World War II, to enable industry to reconvert, the program has since been speeded up. During the period covered in the report, contracts were being let at the rate of $67,000,000 a month. The condition of the stockpile will be considerably better at the end of another six months, when materials will have been delivered as a result of contracts placed as long as a year ago.

Due to supply shortages of a number of

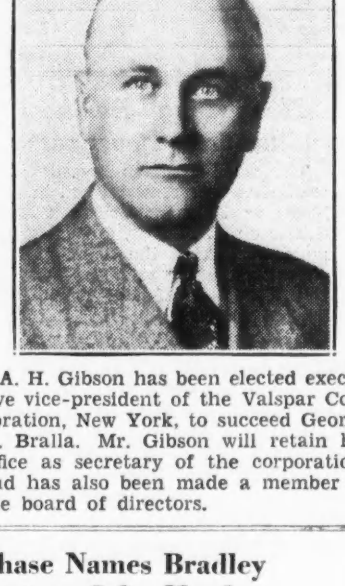
—Continued on page 77

Chromates Export Quotas Fixed for January-March

The Office of International Trade announces the following country quotas for the first quarter of 1949 for export of chromic acid, potassium bichromate and chromate, and sodium bichromate and chromate, in pounds:—

	Commodity and Schedule B number		
	Chromic acid 830910	Potassium bichromate and chromate 835700	Sodium bichromate and chromate 836800
Country quotas—			
ECA countries—			
Austria	12.500	10.000	10.000
Belgium-Lux'bourg	55.000	40.000	30.000
Denmark	20.000	30.000	20.000
France	40.000	5.000	50.000
Greece	.....	50.000	50.000
Iceland	.....	2.500	10.000
Netherlands	40.000	80.000	400.000
Norway	20.000	30.000	20.000
Portugal	3.000	.....	.....
Sweden	25.000	10.000	24.000
Switzerland	15.000	25.000	125.000
Turkey	3.000	25.000	15.000
ECA territories—			
British Territories— Hongkong	10.000	40.000	60.000
Netherlands Territories Netherlands Indies	.....	.....	5.000
Latin America—			
Argentina	5.000	25.000	15.000
Bolivia	2.000	.....	.....
Brazil	17.000	105.000	440.000
Chile	3.000	40.000	125.000
Colombia	4.000	15.000	50.000
Cuba	.....	.....	5.000
Ecuador	.....	.....	5.000
Mexico	18.000	115.000	425.000
Peru	.....	20.000	25.000
Salvador	.....	5.000	.....
Uruguay	2.000	20.000	125.000
Venezuela	.....	6.000	15.000
British Commonwealth— Union of S. Africa	3.000	.....	.....
Far East—			
Philippines, Rep. of	2.000	5.000	.....
Siam	.....	4.000	5.000
Middle East—			
Egypt	.....	5.000	10.000
India	3.000	.....	.....
Iran	.....	5.000	.....
Lebanon	.....	5.000	4.000
Pakistan	.....	10.000	5.000
Syria	.....	5.000	.....
Total	302.500	737.500	2.093.000
Projects	10.000	65.000	275.000
Undistributed reserve	37.500	97.500	632.000
Total quota	350.000	900.000	3.000.000

Valspar Vice-President



A. H. Gibson has been elected executive vice-president of the Valspar Corporation, New York, to succeed George M. Bralla. Mr. Gibson will retain his office as secretary of the corporation, and has also been made a member of the board of directors.

Chase Names Bradley Eastern Sales Head

R. V. Bradley has been appointed sales manager of Chase Bag Company's eastern paper bag division. Until his appointment, Mr. Bradley was manager of the company's New York City sales office, a position to which he advanced since joining Chase in 1934. His headquarters will remain in the Chase New York office and his duties of manager of the New York City sales office will be taken over by W. J. Newhouse.

Toiletries Tax Shift Recommended in House

Representative Joseph Martin, of Massachusetts, minority leader of the house, introduced a bill (H. R. 2100) on February 2 to repeal all wartime excise tax increases. Under the terms of the bill, which was referred to the ways and means committee, the tax on toilet preparations would revert to an 11 percent levy on the manufacturer's price instead of 10 percent at the retail level.

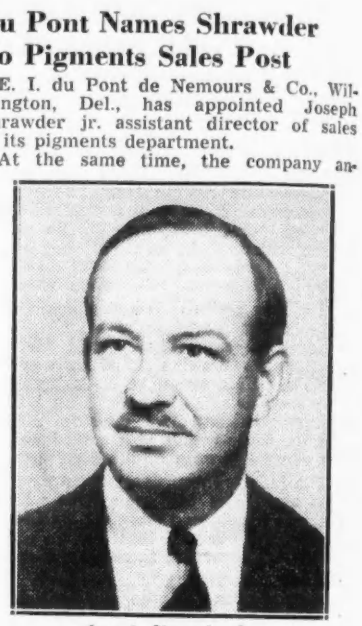
A number of similar bills have also been introduced this session by other members, but the committee has given no indication of what action may be taken on them this session. It is recalled that President Truman in his budget to Congress last month said that it might be possible to reduce some of the excise taxes, but none were specifically mentioned.

The whole excise tax structure is now under study by the Treasury Department and the ways and means committee, but it is not anticipated that any hearings will be held until after the March 15 collections have been analyzed.

Du Pont Names Shrawder To Pigments Sales Post

E. I. du Pont de Nemours & Co., Wilmington, Del., has appointed Joseph Shrawder jr. assistant director of sales of its pigments department.

At the same time, the company announced the appointment of Robert H. Pohl, sales promotion manager of pigment colors, to succeed Mr. Shrawder as manager of technical sales. Jack B. Callaway, division head of the color sales service laboratory, was appointed to the sales



Joseph Shrawder jr.

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Palm Oil Purchased For Stockpiling Program

Purchase of $3,970,000 worth of palm oil for the United States strategic materials stockpile, mainly with money from the counterpart funds of Netherlands and Indonesia, was announced on February 3 by the Economic Cooperation Administration.

The purchase resulted from discussions started last October between ECA and the government of the Netherlands and the Netherlands government of Indonesia, and is based on the use of 5 percent of the special local currency counterpart guilder fund. This fund consists of guilders equal to the amount of American dollars granted to Holland and Indonesia for recovery purposes.

Soybean, Flaxseed Loan Totals in '48 Reported

The Production and Marketing Administration of the Department of Agriculture announced on February 1 that 6,411,680 bushels of 1948-crop soybeans and 1,186,351 bushels of 1948-crop flaxseed were placed under Commodity Credit Corporation price support loans through December 31, 1948. In addition, price support purchase agreements as of that date covered 4,065,410 bushels of soybeans and 2,478,772 bushels of flaxseed.

Gen'l Mills Elects Woolley Chemical Division Vice-Pres.

The board of directors of General Mills, Inc., Minneapolis, has approved the appointment of Eugene Woolley as vice-president of the company's chemical division. Mr. Woolley is manager of the firm's soybean processing plant in Belmond, Iowa.

Solvay Building New Lab

The Solvay Process Division of the Allied Chemical & Dye Corporation is currently constructing a new laboratory at Solvay Village, near Syracuse, N. Y. The new facility will be devoted to perfecting processes and solving problems concerned with the production of alkalies.

Wollgren Named to NSRB

Former Governor Mon C. Wollgren of Washington was nominated by President Truman, on February 3, to be chairman of the National Security Resources Board. He would succeed Arthur H. Hill, who resigned several weeks ago. The nomination is subject to senate confirmation.

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Acetophenone Available In Large Quantities

Carbide & Carbon Chemicals Corporation, New York, is currently supplying acetophenone in large volume shipments at 75c. per pound in fifty-five gallon drums, f.o.b. South Charleston or Institute, W. Va. The company plans to commence tankcar shipments as soon as demand for them is felt.

Research samples of the corresponding alcohol, phenyl methyl carbinol, are also available, and drum shipments of this product are planned within the next few weeks. Samples and data sheets on both products may be obtained from district offices of the company or from its New York headquarters.

Mares Monsanto Vice-Pres.

Joseph R. Mares, general manager of the Texas division of Monsanto Chemical Company, St. Louis, has been elected a vice-president of the company. Mr. Mares joined Monsanto in 1929 as patent counsel and in 1943 was named director of the company's development department. When the firm's Texas division was formed in 1947, he was named general manager.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Cetyltrimethyl ammonium acetate.
M-Diethylaminophenol.
6-7, Dihydroxybenzofuranone.
Methyl parastearylaminophenyltrimethyl ammonium.
Myristyl sodium sulphonate.
Potassium tetraoxide.
Sulphydryl pentathionate.
3-Sulphododecyl sodium benzoate.
Vinyl phosphate.

ECA Announces Additional Procurement Authorizations

New procurement authorizations to Marshall plan countries announced by the Economic Cooperation Administration during the period January 28 through February 2 totaled $119,661,000, of which $77,307,000 were for expenditure for materials in the United States. The total of all authorizations now amounts to $4,534,233,000. Among the new authorizations were the following:—

To Austria—$268,000,000 for crude oil and petroleum products from the United States.

To Belgium-Luxembourg—$398,000 for tallow and other animal fats and oils, $945,000 for nonmetallic minerals, $3,665,000 for industrial chemicals other than alcohol, $500,000 for medicinal and pharmaceutical preparations, and $2,955,000 for crude oil and petroleum products, all from the United States; $1,913,000 for crude oil and petroleum products from Latin America and $1,637,000 for the same from the Middle East.

To Bizone Germany—$71,000 for chemicals and chemical preparations, except

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Phillips Chemical Elects Crawford Vice-President

The formation of a new division of the Phillips Chemical Company, wholly-owned subsidiary of Phillips Petroleum Company, Bartlesville, Okla., and the election of C. C. Crawford as vice-president and sales manager of the chemical firm was announced last week.

The new division was formed for the sale of furnace carbon blacks and fertilizer materials manufactured by the company. Personnel formerly handling sales of the blacks for the petroleum company have been transferred to the new division. A. W. Oakleaf continues as manager of domestic sales, with headquarters at Akron, Ohio, and H. W. Grote as director of export sales, with headquarters in New York.

Sales of ammonia, ammonium sulphate and other nitrogenous fertilizers will be handled through the Bartlesville office of the chemical company.

Mr. Crawford formerly was manager of the chemical products department of the Phillips Petroleum Company.

Diamond Match Names Four to Official Family

The Diamond Match Company, Chicago, has elected Stillman Kuhns a vice-president, A. Douglass Hall vice-president and assistant treasurer, Ward W. DeGroot, secretary, and Charles J. Zellman, assistant secretary. Mr. Hall and Mr. DeGroot fill vacancies left by the recent retirement of Henry G. Lucas.

Mr. Hall was formerly associated with the investment banking firm of Morgan Stanley & Co. Mr. DeGroot has been associated with the Diamond Match organization for the past thirty years. He was elected assistant secretary in 1939 and assistant treasurer in 1948.

Pfizer Names Smith Canadian Sales Agent

Charles Pfizer & Co., manufacturing chemist, Brooklyn, N. Y., has appointed Charles Albert Smith, Ltd., its exclusive representative for all chemical sales in Canada. The Smith organization is located at 123 Liberty street, Toronto, Ont.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office:—

Barium sulphate, Sao Paulo, Brazil (DE-4, agency).
Cacao, Milano, Italy (DE-1, agency).
Calcined magnesia, Sao Paulo, Brazil (DE-4, agency).
Dyestuffs, Sao Paulo, Brazil (DE-4, agency).
Essential oils processing equipment, Torino, Italy (DE-2).
Grease, bone, brown, yellow, Brussels, Belgium (DE-8 agency).
Lithopone, Sao Paulo, Brazil (DE-4 agency).
Mercury, Sao Paulo, Brazil (DE-4, agency).
Milkpowder, Hong Kong (DE-7, agency).
2-Nitroparatoluidine, Brisbane, Australia (DE-6).
Oil, automobile break, Recife, Brazil (DE-5, agency).
Soya fatty acids, Brussels, Belgium (DE-8, agency).
Tallow, prime and fancy, Brussels, Belgium (DE-8, agency).
Wax, automobile polishing, Recife, Brazil (DE-5, agency).
Yeast, dry, Salvador, Brazil (DE-3).
Zinc oxide, Sao Paulo, Brazil (DE-4, agency).

Penick Vice-President

Charles A. Myers, recently president of Dodge & Olcott, Inc., New York, has joined S. B. Penick & Co., New York as vice-president and managing director of its essential oils division, succeeding Herman G. Weicker, retired. Mr. Myers, who started with Dodge & Olcott forty-one years ago, worked in the oil room, became assistant to the vice-president in charge of sales, was named manager of the Bayonne, N. J., factory, and then was elected executive vice-president. He became president in February, 1947.

Standard Varnish Votes M.H. Carlin President

Standard Varnish Works, New York, has announced the election of M. H. Corbin as president. Mr. Corbin, who has been with the company for eleven years and has been a vice-president and director for the last four years, succeeds J. Heath Wood. Mr. Wood has been named chairman of the board.

At the same time, W. B. Day, a veteran of forty years with the concern and former executive vice-president, has been appointed chairman of the executive committee. C. F. Lesch has assumed the position of vice-president in charge of production, while H. H. Rittenhouse, Jr., has also been selected as vice-president.

Reelected vice-president were E. E. Day and A. D. Robson. James Wolf has been renamed secretary and treasurer.

Nichols Leaving Westvaco

William T. Nichols, technical assistant to the executive vice-president of Westvaco Chemical Company, New York, will join Monsanto Chemical Company, St. Louis, on March 1 as director of the General Engineering Department.

Magnesite Land Sold To Basic Refractories

An offer of $625,000 made by Basic Refractories, Inc., of Cleveland, Ohio, for all the facilities and mining claims, including lands and buildings at Gabbs, Nev., which had been declared surplus by the government, has been accepted by the War Assets Administration.

Included in the sale were the largest magnesite deposits known to exist in North America. The project was operated during the war by Basic Magnesium, Inc., as a feeding plant for the Henderson, Nev., plant of Basic Magnesium, where the ore was converted into metallic magnesium. The Henderson plant was sold last year to the State of Nevada.

Jones-Dabney Elects Bornhauser President

The Jones-Dabney Company, Louisville, Ky., a division of the Devoe & Raynolds Company, New York, has elected A. W. Bornhauser president, to succeed William

A. W. Bornhauser

C. Dabney, who has been named chairman of the board of directors.

Mr. Bornhauser started with the Jones-Dabney organization in 1919, was elected a vice-president twenty years later, and in 1944 was named vice-president and general manager. In 1948 he was also elected a vice-president and director of Devoe & Raynolds Company. Mr. Dabney is also senior executive vice-president of Devoe & Raynolds Company, and will concentrate his efforts on management problems of the parent organization in the future.

Synthetic Fuels Work Loans Urged by Krug

Secretary of the Interior J. A. Krug renewed his recommendation to Congress on February 2 that the Federal government be authorized to make loans to private industry for the construction of commercial plants to produce oil and gasoline from coal and oilshale. The recommendation was contained in the secretary's annual report on research and development progress of the Bureau of Mines in synthetic liquid fuels.

Such loans, the Secretary said, would accelerate the founding of a great new basic industry offering an assured supply of oil adequate for centuries from known resources within the borders of the United States. Two bills (H. R. 566 and S. 6) to accomplish this purpose have already been introduced in Congress, and Mr. Krug hoped that favorable action on this or similar legislation can be completed at an early date.

There is danger, Secretary Krug said, that the United States will depend solely upon petroleum until the supply problem has become critical. Then consumers and critics again would shout "too little, too late"—and with ample justification—for then it would require five to ten years to develop any significant productive capacity for synthetic fuels.

U. S. Oil Importer in 1948

The secretary observed that the United States became a net importer of oil in 1948. Coupled with an unprecedented domestic production, these imports were

—Continued on page 90

Alcohol Synthesis Process Developed by N. J. Firm

A new process for the synthesis of such aromatic alcohols as the cresols, or the higher aliphatic alcohols has been developed by United International Research, Inc., Newark, N. J. The new method will soon become a commercial process and will be operated by Hydrocarbon Chemicals, Inc., according to Alfred R. Globus, director of research and president of United International Research.

The process makes it possible, Mr. Globus said, to manufacture cresols of high purity at costs which are well under those of the natural product made from coaltar. Also the process makes it possible to produce the higher aliphatic alcohols to sell at prices 50 percent or more below the level of current quotations.

In the case of making synthetic cresol, for example, toluol of either petroleum or coaltar source, is distilled into a strong sulphuric acid bath containing a special baron catalyst. The toluol vapors bubbling through the bath, attach three toluol molecules to the boron atom to form a complex. When this reaction is complete, the toluol-boron complex is hydrolized

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Washington Talks It Over

By Ralph L. Cherry

The legislation-making machinery of Congress is now moving into high gear. After a slow start which saw only three minor measures become law in the first month of the session, the committees are now stirring into action which forecasts the emergence of a number of bills of major importance in the months ahead.

The administration's request for a seven months' extension of voluntary allocation agreements law has already been passed and sent to the White House. Its request for an extension of the export-control program is now being studied by the senate and house committees which may report a bill within a week. In its first major test of strength, which is involved in the extension of the reciprocal trade agreements act, the administration has cleared its first legislative hurdle and the bill will come up on the house floor this week.

But the real fights are yet to come. These involve the repeal of the Taft-Hartley act, compulsory controls over materials and prices, compulsory health insurance, price supports for farm crops, and so on. Hearings now are underway before the senate labor committee on repeal of the Taft-Hartley law, with all indications pointing to a knockdown, dragout fight before this issue is settled. The banking committees tentatively plan to take up the matter of compulsory controls soon after finishing with the export-control extension legislation.

Price support for farm crops is still in the talking stage, the most vocal being those opposing the sliding scale of supports enacted last year and demanding continuance of supports at 90 percent of parity regardless of production levels. Activity concerning compulsory health insurance is awaiting a special message from Mr. Truman; this is expected momentarily. In it the President is expected to request only a modest program to be expanded in the course of ten years to full medical protection.

Before many weeks, however, the senate may find itself in a log jam as a result of efforts now being made to change its rules to control filibusters. Southern opponents of the President's civil rights program already have started delaying tactics against consideration of the rules changes.

U.S. Aid for Medical Students

Representative George A. Smathers of Florida wants the Federal government to extend a helping hand to worthy college students who want to become doctors of medicine. For those who find their aspirations stymied because of the costs involved, he would have the government lend them the money to complete their education.

His bill calls for setting up a $5,000,000 trust fund in the Treasury out of which loans could be made to any person upon graduating within the highest scholastic 25 percent of his class to further his medical education requirements in accredited institutions. These loans would be to cover all expenses except board, lodging, and other living expenses. For these expenses the student would be given $75 a month.

The loans would not begin to bear in-

—Continued on page 44

GE Makes Brous Manager Of Chemical Marketing

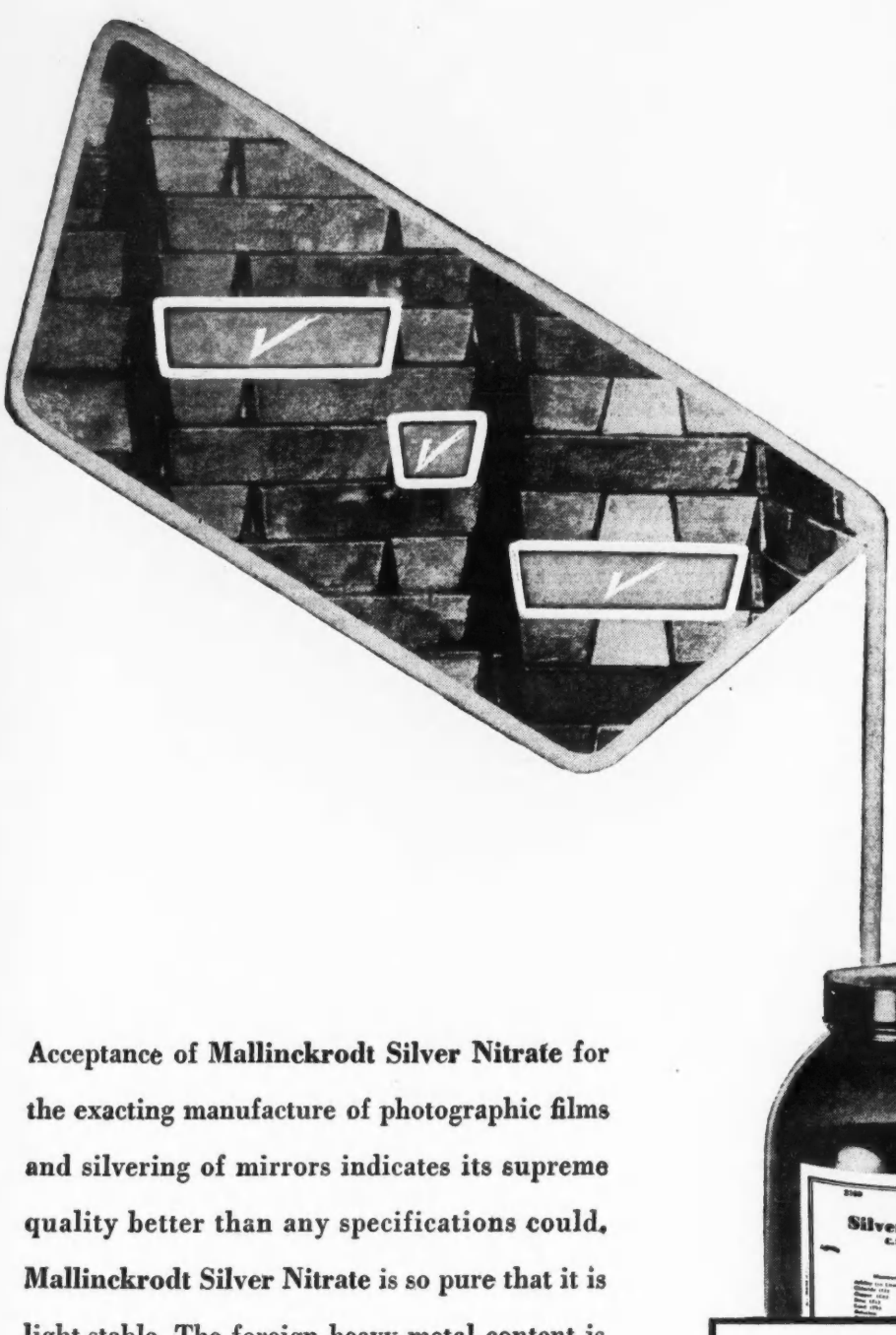
Sam L. Brous, formerly with the Goodrich Chemical Company, Cleveland, has joined the General Electric Company as marketing manager of its chemical department in Pittsfield, Mass. He will have responsibility for broad direction of marketing programs for all chemical department products, will have charge of advertising and market research activities, and will formulate price, sales and distribution policies. Harold F. Smiddy, company vice-president, is general manager of the chemical department.

Union Bag Elects 3 New Vice-Presidents

The Union Bag & Paper Corporation, New York, has elected Alexander Calder jr., James L. Knipe and T. T. Dunn, vice-presidents. Mr. Calder has been assistant to the vice-president in charge of sales; Mr. Knipe has been assistant to the president, and Mr. Dunn has been resident manager in charge of the company's pulp, paper, paper bag and paper box plant in Savannah, Ga.

Dickerson Firms Joined In Partnership Plan

The Dickerson Company and Dickerson Overseas Company, chemicals and raw materials, both Philadelphia, will operate henceforth as a partnership, with Ralph H. Henshaw and Norman Klauder as active partners. Edwin S. Dickerson, jr., is relinquishing ownership in these companies but will continue to take an active part in management.



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Silver Sulfate	Silver Sulfate A.R. (A.C.S.)
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Adhesives—Plasticizer in adhesive compositions containing polyvinyl resins.

Ceramic—Plasticizer in compositions, containing polyvinyl resins, used as coatings for protecting and decorating ceramic articles.

Dental—Plasticizer in resinous compositions used as dentures or ingredients of denture compositions.

Electrical—Plasticizer in insulating compositions, containing polyvinyl resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing polyvinyl resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Plasticizer in rotogravure, stamppad, and textile inks.

Leather—Plasticizer in compositions, containing polyvinyl resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Plasticizer in compositions, containing polyvinyl resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer in coating compositions, containing polyvinyl resins, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing polyvinyl resins.

Paper—Plasticizer in compositions, containing polyvinyl resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics—Plasticizer in making laminated-fiber and molded articles, and plastic materials from or containing polyvinyl resins.

Resin—Plasticizer for polyvinyl resins.

Rubber—Plasticizer in compositions, containing polyvinyl resins, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer in compositions, containing polyvinyl resins, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer in compositions, containing polyvinyl resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing polyvinyl resins, used as protective and decorative coatings on woodwork.

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Pesticide—Toxicant (U.S. 2185208) in insecticidal compositions.

Garcia Nutans Seed Oil

Fats, Oils, and Waxes—Claimed equal to and superior in some respects to the finest Asiatic tung oil.

Paint, Varnish, and Lacquer—Suggested as drying oil.

Lithium Stearate

Cosmetic—Improver for cosmetic preparations (claimed to help produce a smoother, fluffier composition with free-flowing characteristics and improved adhesion, so that thin films can be applied, said to be better in appearance, and because of high moisture and oil absorption qualities, films to be more effective and to have longer life).

Pesticide—Flowing, gelling, and auxiliary sticking agent for insecticides (gives paste form to liquid insecticides for special applications where adhesion and increased life are desirable; increases adhesion of dust-type insecticides.

Plastics—Heat-stabilizer and lubricant in making sheet elastomers.

Processing agent having stable, nontoxic characteristics.

Powder Metallurgy—Lubricant in powder metallurgy (claimed to allow the removal of breakdown products in sintering to give a high-strength compact, with controlled porosity and negligible refractory oxide content).

Heads Pharmaceutical Sales

Robert E. Hodgkin has been appointed vice-president in charge of sales in the United States and Canada for Ayerst, McKenna & Harrison, Ltd., ethical pharmaceutical division of the American Home Products Corporation, New York. Mr. Hodgkin joined the company in 1935 and was appointed sales manager in 1946. The company has named Charles M. Johnson sales manager of its United States operations.

Chemicals Tariff Data Series Ended by U. S.

The last of a series of six summaries of tariff information on chemicals, oils, and paints, was issued on February 2 by the United States Tariff Commission.

The final issue, Part 2, covers paragraphs 19 to 37 inclusive of the Tariff Act of 1930, being principally coaltar products, cellulose compounds and non-coaltar esters and ethers. The summaries contain for the various commodities statistical data on United States production, imports, and exports, tariff rates, and other information pertinent to an understanding of the conditions of competition between imports and domestic production.

Jones Awarded British Photographic Society Medal

Dr. Lloyd A. Jones, head of the physics department of the Kodak Research Laboratories, has been awarded the 1948 progress medal of the Royal Photographic Society of Great Britain. Dr. Jones received the honor for his contributions to the use of photographic sensitometry in the manufacture and control of photographic materials.

Dr. Eddy Heads Habit Forming Drug Study

Dr. Nathan B. Eddy, principal pharmacologist at the National Institutes of Health, has been elected chairman of the Expert Committee on Habit Forming Drugs of the World Health Organization, according to the Federal Security Agency. The committee is now in session at Geneva considering whether new synthetic analgesics can be defined as habit forming drugs and are therefore subject to international control.

N. Y. Trade Board Group Asks Barriers' Removal

Export and import restrictions, exchange agreements and quota systems were labeled "more damaging than tariffs" by the International Trade Section of the New York Board of Trade in a statement filed last week with Representative Robert L. Doughton, chairman of the house ways and means committee.

While supporting reciprocal trade agreements, the statement said the board felt that mutual tariff concessions between other countries and the United States are nullified unless increasing attention is given to the removal of the other barriers.

These barriers, the statement added, "by the uncertainty they create make difficult any accurate cost analysis or fulfillment of promises by two parties in international business transactions." The trade section said it felt these indirect barriers should be removed to facilitate a more satisfactory conduct of world business.

AIC Awards Honorary Membership to Crossley

Dr. M. L. Crossley, a director of research of the American Cyanamid Company, has been elected to receive an honorary membership in the American Institute of Chemists. The presentation will be made at a joint meeting of the New Jersey chapter of the AIC and the North Jersey section of the American Chemical Society on February 14 at the Winfield Scott hotel, Elizabeth, N. J.

SOCMA to Meet Feb. 9

The Synthetic Organic Chemical Manufacturers Association will hold its monthly luncheon meeting at the Commodore hotel, New York, on February 9. Featured speaker at the meeting will be Lt. Col. Charles A. Shaunesey, who will discuss the "Quartermaster Industrial Mobilization Program."

Fluorine Recovery Planned by TVA

The Tennessee Valley Authority expects to have in operation early this summer its new flourine recovery system to remove fluorine from the stack gases of the authority's two experimental furnaces producing fused tricalcium phosphate fertilizer near Columbia, Tenn.

The new system, which is being installed at a cost of $200,000 is a development resulting from extensive investigations by TVA to determine means of removing fluorine gases formed in phosphate fertilizer processes. It not only removes fluorine from the escaping gases, but makes a marketable byproduct in the form of calcium fluoride or synthetic fluorspar.

The fluorine recovery process is quite simple. Furnace stack gas is passed through a tower filled with lump limestone at temperatures in the range of from 200 degrees to 900 degrees F. Fluorine, mainly in the form of hydrogen fluoride, reacts with the limestone forming calcium fluoride. A portion of the tower filling is withdrawn from the bottom of the tower at intervals and is screened at six-mesh to separate the calcium fluoride from the partially reacted limestone. The plus-six-mesh partially reacted limestone is recycled to the tower and fresh limestone is added as necessary to keep the tower filled.

The product contains from 80 to 96 percent of calcium fluoride, depending on the purity of the limestone and other factors. Various limestones differ in the ease of separation of calcium fluoride from the unreacted limestone. The process as described is applicable to certain colitic limestones.

Although TVA's production of synthetic fluorspar will be only a very small percentage of the total needed by the country, it will be a demonstration of one method of reclaiming fluorine from the phosphate rock, it was explained. The method has interested many industries. A report giving details of the experimental development of the process is being prepared and will be published in the next few months.

Perfumers Society Elects Dr. A. T. Frascati President

The American Society of Perfumers elected Dr. A. T. Frascati, chief perfumer of Firmenich & Co., president at its recent annual meeting in New York. The association also elected George J. Tombak, E. I. du Pont de Nemours & Co., vice-president, and named Basil A. Pegushin, Schimmel & Co., and Waldo Reis, van Ameringen-Haebler, Inc., to the board of directors for three-year terms.

The retiring president, William H. Dunney, sr., Ungerer & Co., was named chairman of the board of directors, and William H. Barlow, Orbis Products Corporation, and R. B. Houk, Dodge & Olcott, Inc., were continued in the posts of secretary and treasurer, respectively.

Paint Associations Plan Conventions in Oct.-Nov.

The National Paint, Varnish and Lacquer Association will hold its sixty-first annual convention at the Chalfonte-Haddon Hall hotel, Atlantic City, N. J., on October 31 to November 2. The Federation of Paint and Varnish Production Clubs will hold its twenty-seventh annual meeting at the same hotel on November 3 to 5.

The business sessions of both conventions will be held in Haddon Hall, as will the Federation's paint industry show. The show will open on November 2 and close on November 5.

Rose Gets AEC Post

Ernest H. Rose, mining and metallurgical engineer of Birmingham, Ala., has been appointed to the Atomic Energy Commission's advisory committee on raw materials. Mr. Rose is currently engaged in research and development work for the Tennessee Coal, Iron & Railroad Company, directed toward the exploitation of the silicious iron ores of Alabama. From 1936 to 1947 he was mill superintendent for the International Nickel Company of Canada at Copper Cliff, Ontario.

AIFA to Move This Week

The Agricultural Insecticide and Fungicide Association will move its headquarters from New York to Washington the latter part of this week. The new address will be the Barr building, 910 West Seventeenth street, N. W.

Association Meeting Dates

Affiliated Drug Stores, New Yorker hotel, New York, September 11-15.

American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall hotel, Atlantic City, N. J., October 13-15.

American Chemical Society, Fairmont hotel, San Francisco, March 28-April 1.

American Drug Manufacturers Association, Boca Raton Club, Boca Raton, Fla., April 4-7.

American Institute of Mining and Metallurgical Engineers, Fairmont hotel, San Francisco, February 13-17.

American Institute of Chemical Engineers, Pittsburgh, Pa., November 7-10.

American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.

American Pharmaceutical Association, Jacksonville, Fla., April 24-30.

American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.

American Plant Food Council, Mount Washington hotel, Bretton Woods, N. H., June 19-22.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 21-July 1.

American Water Works Association, Stevens hotel, Chicago, May 30-June 1.

Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.

Chamber of Commerce of the United States, Washington, May 2-5.

Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.

Chemical Market Research Association, Biltmore hotel, New York, February 10.

Chicago Technical Societies Council, production show, Stevens hotel, Chicago, March 14-17.

Drug, Chemical and Allied Trades Section, New York Board of Trade annual dinner, Waldorf-Astoria hotel, New York, March 10; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.

Druggists Supply Corporation, Statler hotel (formerly Pennsylvania hotel), New York, March 7-11.

Federal Wholesale Druggists Association, Statler hotel (formerly Pennsylvania hotel), New York, March 14-16.

Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall hotel, Atlantic City, N. J., November 3-5.

Flavoring Extract Manufacturers Association, Drake hotel, Chicago, May 16-18.

Manufacturing Chemists Association, Skytop Inn, Skytop, Pa., June 2-3.

Metal Powder Association, Drake hotel, Chicago, April 5-6.

National Association of Insecticide and Disinfectant Manufacturers, Drake hotel, Chicago, June 13-14.

National Agricultural Limestone Association, New Yorker hotel, New York, February 10-11.

National Farm Chemurgic Council, Peabody hotel, Memphis, Tenn., March 30-April 1.

National Fertilizer Association, White Sulphur Springs, W. Va., June 13-15.

National Fruit and Syrup Manufacturers Association, Drake hotel, Chicago, May 19.

National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall hotel, Atlantic City, N. J., October 31-November 1.

National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 13-15.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.

Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.

Synthetic Organic Chemical Manufacturers Association, monthly meeting, Commodore hotel, New York, February 9; annual meeting, Shawnee Inn, Shawnee, Pa., June 7-9.

Technical Association of the Pulp and Paper Industry, Commodore hotel, New York, February 21-24.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.

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Current Market Quotations

Chemicals and Related Materials

February 4, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½ - .13
tanks, works lb. .10 - —
Acetaldol (see Aldol).
Acetamide, CP, fib, dms lb. .65 - .75
tech., fib, dms lb. .38 - .43
Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. 41 .56
Acetic anhydride, dms., c.l., frt. alld, E lb. .13½ - —
l.c.l., frt. alld, E lb. .15 - —
tanks frt. alld. E lb. .12 - —
Acetoacetanilide, bbls., dlvd lb. .67½ - —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .66 - —
Acetoacetorthoanisidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —
Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., works lb. 1.15 - —
Acetoacetorthotoluidide, bbls, dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07½ - —
Methyl (see M).
Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20
Acetophenone, cns., dms lb. 1.50 - 1.85
tech., l.c.l., dms., works lb. .75 - —
Acetoactoparaphenetidide, dms., works, 500 lbs. or more lb. 1.65 - —
smaller lots, same basis lb 1.90 - —
Acetyl chloride, cbys., works lb. .55 - .60
Acetyltributyl citrate, dms lb. .43 - .45
smaller pkgs lb. .48 - .54
Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47
Acid, abietic, dms., c.l., works lb. .07½ - —
Acetic, com'l or redist., 28%, bbls 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs. 10.85 -11.10
glacial, synthetic, CP, dms., works 100 lbs. 13.50 -14.00
USP, dms., works 100 lbs. 11.50 -12.00
tech., dms., c.l., works 100 lbs. 10.00 -11.00
tanks, works 100 lbs. 8.60 - 9.12

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic annydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .26½ - —
Aminoacetic NF bbls., frt. au justed lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 .22
Ascorbic, USP, dms., 500-kilo lots. kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 - 2.85
Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 .59
dms., 4,000 lbs. up lb. .55 .56
1,000 to 3,900 lbs lb. .56 .57
900 lbs. or less lb. .58 .59
Betaoxynaphthoic, bbls. works lb. 1.25 1 43
Boric, tech., 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi ton. 180.00 - —
less ton lots, same basis. ton. 185.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi ton. 135.00 - —
less ton lots, same basis. ton. 140.00 - —
bbls, c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi ton. 155.00 - —
less ton lots, same basis. ton 160.00 - —
bulk, c.l., works ton. 86.75 - —
powd., bgs., c.l., works ton. 95.25 - —
ton lots, ex whse., N. Y. or Chi ton. 140.00 - —
Acid, boric, tech., 99½%, powd., less ton lots, same basis ton. 145.00 - —
bbls., c.l., works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis. ton. 165.00 - —
bulk, c.l., works ton. 91.75 - —
USP $25 per ton higher.
Broener's bbls. lb. 1.34 - 1.45
Butyric, 99%, dms., c.l., works lb. .34½ - —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —
Cacodylic, bots. lb. 12.00 -13.00
Camphoric, natural, dms lb. 6.00 6.75
synth., dms lb. 5.25 - 8.00
Capric, tech., dms lb. .50 .50½
Caprylic, 99%, dms lb. .50 .50½
Castor oil, split, dms lb. .35¾ .36¾
Chlorosulphonic, dms., c.l., works. lb. .03 —
l.c.l., works lb. .03½ .04½
tanks, works lb. .02½ —
Chromic, 99½-99¾%, dms., c.l. works lb. .25½ -
l.c.l., works lb. .26 .27
Cinnamic, refd., bots lb. 3.00 4.00
Citric, anhyd., gran., fine gran., dms., c.l. lb .27 —
10,000 lbs., 1 ship't lb. .27½ - —
kgs. lb. .28½ —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., bbls., c.l lb. .27½ —
10,600 lbs., 1 ship't lb. .28 —
smaller lots lb. .28½ - —
kgs. lb. .29½ - —
gran., fine gran., bbls., c.l lb. .24½ —
10,000 lbs., 1 ship't lb. .25 —
smaller lots lb. .25½ - —
kgs. lb. .26½ - —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bbls lb. .65 - .66
Coconut oil, dist., dms. lb. .26¼ - .27¼
Corn oil, s.d., dms. lb. .11 Nom.
Cottonseed oil, dist., dms. lb. .11 - .12
Cresylic, dom., coattar, high boil 50% (210°-215°), c.l., works and frt. equald gal. 1.36 - —
l.c.l., same basis gal. 1.39 - —
tanks, same basis gal. 1.30 - —
low boil, 50% (204°-206°), and special blends, c.l., same basis gal. 1.46 - —
l.c.l., same basis gal. 1.49 - —
tanks, same basis gal. 1.40 - —
Petroleum, 185°C. to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 —
l.c.l., same basis gal. 1.025 1.045
tanks, same basis gal. .925 —
Acid, cresylic, dom., petroleum, 190°C. to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 —
l.c.l., same basis gal. .95 .97
tanks, same basis gal. .85 —
210°C. to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 —
l.c.l., same basis gal. .765 .785
tanks, same basis gal. .665 —
235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 —
l.c.l., same basis gal. .72 .74
tanks, same basis gal. .62 —
Crotonic, bbls., Canadian, works lb .35 —
Dichlorophenoxyacetic, (see "D", 2, 4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .22 - —
Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½ - —
tanks, works lb. .29½ - —
F, bbls., works lb. 1.73 1.78
Folic, bots gram. 2.00 —
Formic, 85%, cbys., c.l., dlvd lb. .13 - .13½
l.c.l., dlvd lb. .13½ - .14
90%, cbys., c.l., dlvd lb. .13½ - .14
l.c.l., dlvd lb. .14 - .14½
Fumaric, tech., bbls., dms lb. .30 .31
Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller tots lb. 1.63 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48
Gamma, bbls. lb. 1.20 - 1.30
Gluconic, tech., 50%, bots lb. .23 .31
dms lb. .14 —
kgs. lb. .16 —
Glutamic, laevo, 99%, fiber dms., 100 lb. lots, works lb. 2.30 - 2.40
25 lb. tots lb. 2.45 —
Glycerophosphoric, 35%, dms., works lb. 2.15 - —
Glycolic (see Acid, hydroxyacetic)
H, 100% basis, bbls., works lb. 66 —
Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 —
tech., 48%, cbys., dlvd E lb. .34 .36
34%, cbys., dlvd E lb. .35 .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. .80 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 .40
Hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½ - —
30%, steel dms., works lb. .03½ - .03
70%, steel dms., works lb. 15¾ - 16¼
Acid, hydrofluosilicic, 30-35%, bbls. lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 —
tanks, Belle, W. Va., 100% basis lb .085 —
Hypophosphorus, USP, dms lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.87
L, bbls., works lb. .80 - .95
Lactic edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 20 bbls. or more. lb. .28½ - —
plastic grade, 50%, bbls., 20 or more lb. .19¾ - —
10 or less lb. .20¾ - —
80%, bbls., 5 or less lb. .3370- .3400
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs. 10.95 - —
l.c.l., bbls., works 100 lbs. 11.35 - —
cbys., works 100 lbs. 11.85 - —
NF, 85%, cbys lb. .69 - .72
Laurent's, bbls lb. .87 - —
Lauric, dist., 85-90%, dms lb .40 - .40½
60%, dms lb. .35 - .35½
Linseed oil, reg dist., dms lb. .3180- .3230
water white, dms lb. .3480- .3530
Maleic, powd., dms lb. .30 .31
Anhydride (see M).
Malic, dms. lb. .47 —
Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10
Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085 .009
Molybdic, kgs., works lb. .95 1.10
Monochloroacetic, purified, flake, 99%, dms lb. .23½ - 24½
tech., flake 96-97%, bbls lb. .19 .21
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 2.75
tanks, E. works ton. 18.00 - —
20°, cbys., c.l., E. works 100 lbs. 2.10 - —
tanks, E. works ton. 20.00 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton 25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾ - —
l.c.l., same basis lb. .09¼ - 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ - —
l.c.l., same basis lb. 14¼ - .15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Myristic, dist., dms lb. .45 Nom.
Naphthenic 220-230 acidity, dms., works lb. .15 —
tanks, works lb .12 —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic see Acid, L).
Naphthol(1)-5-sulphonic,3-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms lb. .88 - .91
Nicotinic, USP, dms., works kilo. 8.00 8.30
Nicotinic amide (see Nicotinamide).
Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 —
l.c.l., E. works 100 lbs. 5.40 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, cbys., c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E. works 100 lbs. 6.90 7.60
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .11½ - —
l.c.l., same basis lb. .13 .13¼
5 pint bottles extra, cs., c.l., frt. equald lb. .15½ - —
l.c.l., same basis lb. .17 .18
Oleic (see Oil, red).
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms. c.l., works lb. .67 —
l.c.l. works lb. .69 —
Oxalic, bbls., c.l., works lb. .14½ - —
10,000 lbs., works lb. .14⅝ - .15
smaller lots, works lb. .15¼ - .15¾
Palm oil, white, dist., dms lb. .21¼ .21¾
Para-aminobenzoic, purified, dms., works lb. 4.00 Nom.
technical, dms., works lb. 1.70 —
Para-aminosalicylic, dms., 100 lbs. lb. 20.00 - —
smaller lots lb. 20.15 -21.00
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, cns. lb. .87 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 .95
Peanut oil, s.d., dms lb. .12¼ Nom.
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. .61 .66
Phenylacetic, bots lb 1.51 1.75
Phenylcinchoninic (see Cinchophen)
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral
amino.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
		E.	east	ord.	ordinary
artif.	artificial	e.p.	end point	oz.	ounce
ASTM.	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bgs.	bags	ffa.	free fatty acid	photo.	photographic
bbls.	barrels	ffc.	free from chlorine	pkgs.	packages
bls.	bales			powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A	free of prussic acid	pt.	point
				pulv.	pulverized
b.r.	boiling range	frt.	freight	purif.	purified
bxs.	boxes	fus.	fused	redist.	redistilled
C	centigrade	gal.	gallon	refd.	refined
cbys.	carboys	gran.	granular	refy.	refinery
CD	completely denatured	grd.	ground	reg.	regular
		i.&a.	iron and aluminum	resub.	resublimed
c.i.f.	cost, insurance, freight			ret.	returnable
cks.	casks	i.b.p.	initial boiling point	SD	specially denatured
c.l.	car lots	imp.	imported	s.d	single distilled
cns.	cans	incl.	included	S. E.	southeast
col.	color	indust.	industrial	secs.	seconds
com'l	commercial			s.g.	specific gravity
conc.	concentrated	kgs.	kegs	ship't	shipment
CP	chemically pure	lacq.	lacquer	solut.	solution
cps.	centipoises	lb.	pound	s.u.	standard unit
cryst.	crystal	l.c.l.	less than car lots	synth	synthetic
cs.	cases	liq.	liquid	tech.	technical
ctns.	cartons	m.a.p.	mixed aniline point	USP	U. S. Pharmacopoeia
cyls.	cylinders			vis.	viscosity
dbl.	double	min.	minimum	VM&P	varnish makers & painters
denat.	denatured	m.p.	melting point		
dest.-dist.	destructive-distilled	N.	nitrogen	W	west
		nat.	natural	w.w.	water white
dextro.	dextrorotatory			whse.	warehouse
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material

Acid, Phosphoric—Althea Root

Acid, phosphoric, food grade, 75% chys, c.l., works, frt. equald 100 lbs. 6.50 - —
i.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, chys., c.l lb. 10½ - —
For shipments in chys., add handling charges.
Picramic, ngs. lb. .65 - .70
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.45 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l lb. .31 - —
smaller lots lb. .38 - —
USP, cryst., bbls., c.l lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works. lb. .54½ - —
l.c.l., works lb. .56½ - .60½
Soybean oil, s.d., works lb. .13½ - .14
Stearic, double pressed, bgs. lb. .20½ - .21½
single pressed, bgs. lb. .20 - .21
triple pressed, bgs. lb. .22¾ - .23¾
Succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .75 - —
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 —

Acid, sulphuric, 60°Be, chys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton. 13.75 - —
66°Be, chys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton. 17.00 - —
98%, tanks, E. works ton. 18.00 - —
CP, NF, consumers, chys., extra, c.l., works, frt. equald lb. .07¾ - —
l.c.l., same basis lb. .09¼ - .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼ - —
l.c.l., same basis lb. .12¾ - .13¾
fuming, 20%, tanks, E works. ton. 19.00 - —
Tallow, dist., dms. lb. .13¾ - .14¾
Tannic, tech., 60-62%, dms. lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots. lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .37½ - —
smaller lots lb. .38 - —
100-lb. dms lb. .39 - —
small, dms lb. .41 - .43
imported, kgs lb. .30 - .30½
Thioglycolic, refined, bbls., chys., basis 100% lb. 1.95 - 2.00
tech., bbls., chys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works lb. .20 - —
Tungstic, tech., 100 lb. pkgs. lb. 2.75 - Nom.

Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots. oz. 27.50 - 32.50
cryst., potent, bots. oz. 85.00 - —
Acrylonitrile, dms., c.l., works lb. .33½ - —
l.c.l., works lb. .34 - .45
tanks, works lb. .32½ - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls. lb. .35 - .40
Agar lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agrimony herb, bls lb. .35 - .40
Alanine, dextro-laevo, dms., works, lb. 8.50 - 11.00
Albumen (egg), edible, flake, bbls lb. 2.62 - 2.66
powd., bbls lb. 2.67 - 2.71
tech., cryst., bbls. lb. 1.48 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., divd lb. .26½ - —
l.c.l., divd. lb. .27½ - —
tanks, divd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss. lb. .18 - —
l.c.l., frt. alld. E. of Miss. lb. .19 - —
tanks, frt. alld. E. of Miss. lb. .17 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., divd lb. .33½ - —
l.c.l., divd lb. .34½ - —
tanks, divd lb. .32 - —
128-132°C, dms., l.c.l., divd. lb. .36 - —
ACS grade, dms., l.c.l., divd lb. .42 - —
Benzyl, cns. lb. .72 - .80
dms. lb. .68 - .88

Alcohol, butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld. E lb. .20 - —
tanks, frt. alld. E lb. .17½ - —
tankwagon, frt. alld. E lb. .18 - —
other production, dms., c.l., frt. alld. E lb. .19 - .19½
l.c.l., frt. alld. E lb. .20 - .20½
tanks, frt. alld. E lb. .17½ .18
synthetic, normal, dms., c.l., frt. alld. E lb. .19 - —
l.c.l., frt. alld. E lb. .20 - —
tanks, frt. alld. E lb. .17½ - —

Normal synthetic butyl alcohol prices in West .01c. per lb. higher

secondary, dms., c.l., divd lb. .12 - —
l.c.l., divd. lb. .12½ - —
tanks, divd. lb. .10½ - —
tertiary, dms., c.l. lb. .13½ - —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½ - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., divd. E. of Miss R. gal. .41 - —
l.c.l., divd. E. of Miss R. gal. .45 - .50
tanks, divd. E. of Miss. R. gal. .31 - —

tankcar sales requires written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., divd. E. of Miss. R gal. .41 - —
l.c.l., same basis gal. .45 - .50
tanks, same basis gal. .31 - —
SD2B, dms., c.l., E. of Miss. R. gal. .39 - —
l.c.l., same basis gal. .43 - .48
tanks, same basis gal. .29 - —
SD2311, dms., c.l., divd. E. of Miss. R gal. .40 - —
l.c.l., same basis gal. .44 - .49
tanks, same basis gal. .30 - —
SD29, denatured with acetaldehyde, dms., c.l., divd. E of Miss. R gal. .40½ - —
l.c.l., same basis gal. .44½ - .49½
tanks, same basis gal. .30½ - —

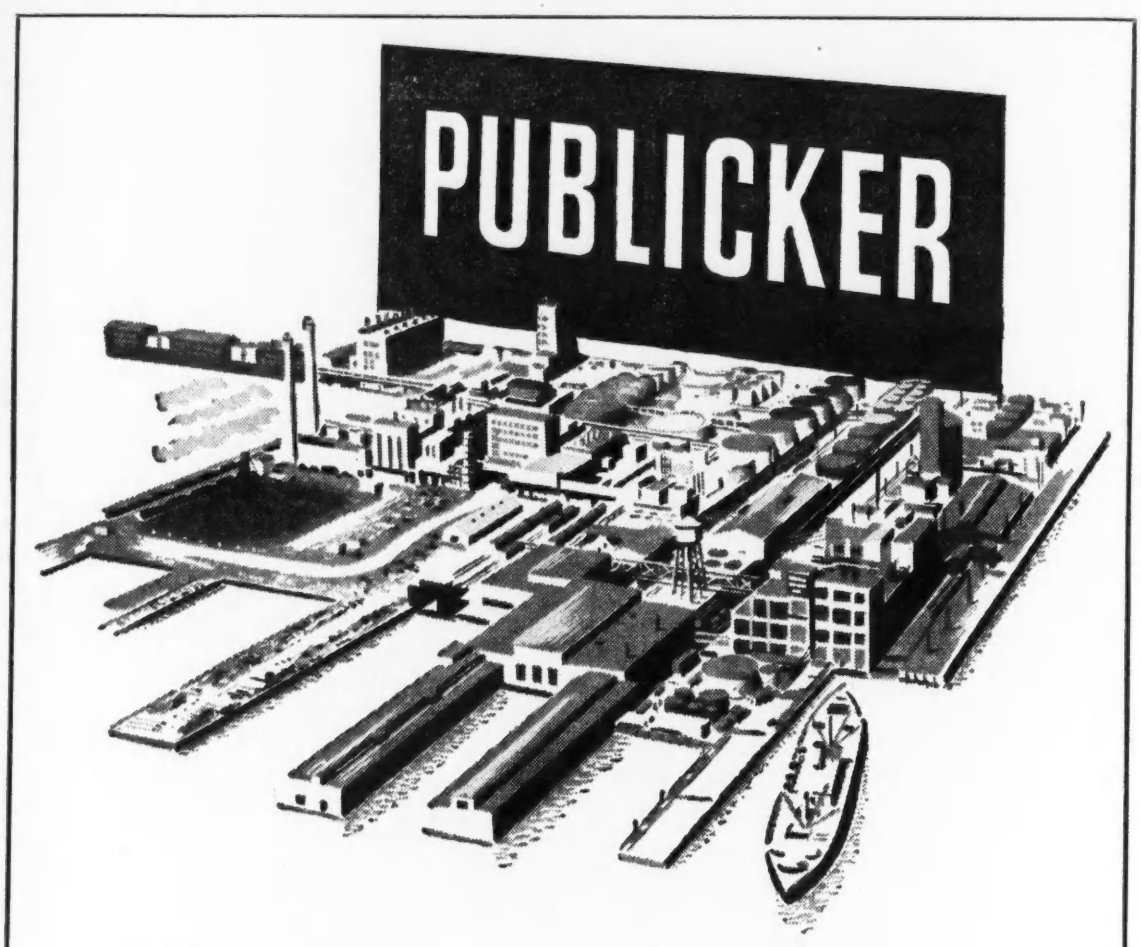
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.

Proprietary solvent, dms., c.l., divd. E. Miss. R gal. .42½ - —
l.c.l., same basis gal. .46½ - .51½
tanks, same basis gal. .32½ - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Special solvent (see Alcohol, denat., proprietary).

Diacetone, acetone free, dms., c.l., divd lb. .13½ - .16½
l.c.l., divd lb. .14 - .17½
tanks, divd lb. .12 - .15
tech., dms., c.l., divd lb. .14 - .15½
l.c.l., divd lb. .15 - .16½
tanks, divd lb. .12½ .14
Ethyl, 190 pf. tax paid dms., c.l., divd. E. Miss. R gal. 17.48 - —
l.c.l., same basis gal. 17.52 - 17.57
tanks, same basis gal. 17.38 - —
tax free, dms., c.l., divd. E. Miss. R gal. .38 - —
l.c.l., same basis gal. .42 - .47
tanks, same basis gal. .28 - —
absolute, tax paid, dms., c.l., same basis gal. 18.45 - —
l.c.l., same basis gal. 18.49 - 18.54
tanks, same basis gal. 18.35 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½ - —
tanks, same basis lb. .23½ - —
Furfuryl, tech., cns., works lb. .30 - —
dms, c.l., works lb. .21½ - —
l.c.l., works lb. .23 - —
tanks, works lb. 18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, refd., dms., works lb. .13 - —
tanks, works lb. .12 - —
Isopropyl, refd., 91%, dms., incl., c.l., divd gal. .38 - —
l.c.l., divd gal. .41 - —
tanks, divd gal. .28 - —
95%, dms. incl., c.l., divd gal. .39½ - —
l.c.l., divd gal. .42½ - —
tanks, divd gal. .29½ - —
99%, dms. incl., c.l., divd gal. .41 - —
l.c.l., divd gal. .44 - —
tanks, divd gal. .31 - —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots lb. 2.40 - —
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.50 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works. lb. .12 - —
l.c.l., works lb. .12½ - —
tanks, works lb. .10½ - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 —
dms., c.l., Waverly, N. Y. lb. .40 —
l.c.l., same basis lb. .44 —
tanks, Niagara Falls, N. Y. lb. .36 —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.60 - 1.65
Algin, bbls., fib. dms lb. 76 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento).
Guatemalan, bgs., futures lb. .21½ - .22
Mexican, bgs lb. .12¾ - .13¼
Allyl bromide, cbys., 5,000 lbs., works. lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., divd lb. .16½ - —
l.c.l., divd. lb. .17 - —
tanks, divd. lb. .15 - —
Aloe, Cape, cs lb. .35 - .40
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, bbls., dms., kgs lb. 3.75 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 4.40
Alphanitronaphthalene, bbls lb. .37 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .27 - .30
l.c.l., works, frt. equald lb. .29½ - .30
Alphapinene, tanks, South, works gal. .47 —
Alphaterpineol, dms., l.c.l., divd. E. lb. .18 - —
Alphatocopherol, bots. kilo. 750.00 - —
Acetate, bots. kilo. 750.00 - —
Althea root, NF, peeled, bls lb. .30 .35



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BUTYL ALCOHOL	**ETHYL ACETATE**	**THERMO ANTI-FREEZE**

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AMMONIUM BICARBONATE
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BENZOYL CHLORIDE
BENZOYL ALCOHOL, Tech.
BENZYL CHLORIDE
BUTYL ACETATE
BUTYL ALCOHOL
CALCIUM CHLORIDE, Flake, Solid
CAUSTIC POTASH, Flake, Solid
CAUSTIC SODA, Flake, Solid
CHLOROFORM, USP, Tech.
CYCLOHEXANOL
DIACETONE ALCOHOL, Tech.
DIACETONE ALCOHOL, Acetone Free
DIISOBUTYL KETONE
ETHYLENE DICHLORIDE
HEXACHLOROBENZENE
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ISOPROPANOL 91%, Refined
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MONOCHLOROTOLUENE
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PARADICHLOROBENZENE
PHENOL, USP
PROPYLENE DICHLORIDE
SODA ASH, Light
SODIUM BICARBONATE
SODIUM NITRATE, USP
SODIUM SULFIDE
SODIUM TETRASULFIDE, Solution
SULFUR DICHLORIDE
TRICHLOROBENZENE
TETRACHLORETHANE

WILLIAM D. NEUBERG CO., INC.

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CABLE—"WILNEUBERG"

Alum, Ammonia—Areca Nuts

Alum, ammonia, burnt, USP, bbls., lb. .20 - .21
gran., bbls., works 100 lbs. 3.80 —
lump, bbls., works 100 lbs. 4.05 —
powd., bbls., works 100 lbs. 4.20 —
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.25 - —
powd., bbls., works 100 lbs. 4.45 - —
Potash-chrome, bbls lb. .12½- .15
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- —
l.c.l., works lb. 04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works lb. .06½- 06¾
solution, 32°, cbys., c.l., works lb. .02¾- —
l.c.l., works lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald lb. .10 - —
l.c.l., frt. alld lb. .11 - .13
Formate, basic solution, cks., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.50.00 -54.00
l.c.l., works ton.72.00 -86.00
light, bgs., dlvd lb .17 —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —

Aluminum hydroxide, pharmaceutical, 9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10.000 lbs. lb. .17 - —
pigs, 10,000 lbs lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- 25
Oleate, dms., contract lb. .43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, 280-400 crystalline, flour, classified, 3-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½ —
smaller lots, frt. alld lb. .13 .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. 31 —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld lb. 34 —
600 mesh, dms., frt. alld lb. .51 .53
kgs., frt. alld lb. .50 —
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 .17
kgs., frt. alld lb. .15 —

Aluminum oxide, optical, high-purity, alpha or gamma, ultrafine, dms., works lb.13.50 — —
jars, works lb.15.00 -17.00

Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms lb. .58 — —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. 44½- —
varnish, standard, dms lb. 49 - —

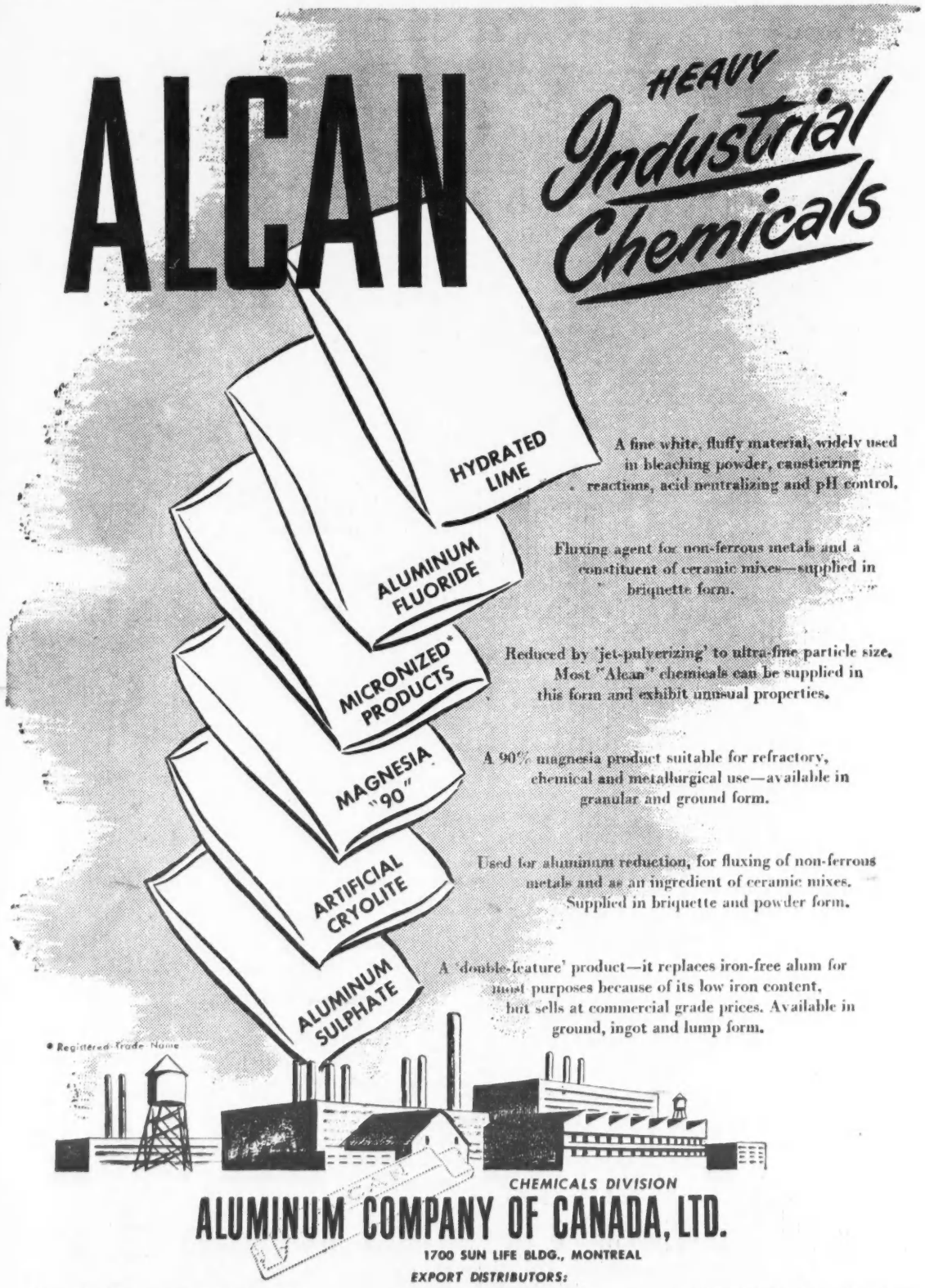
Aluminum powder and paste prices are f.o.b shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld.lb. .24¾- —
Stearate, dibasic, etns., c.l lb. .35 - —
l.c.l. lb. .36 - —
monobasic, etns., c.l lb. .35 - —
l.c.l. lb. .36 - —
tribasic, etns, c.l lb. .35 - —
less than 1 ton lb. .36 - —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 —
l.c.l., same basis 100 lbs. 1.90 —
Iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
Trihydrate, heavy (see Aluminum hydrate).

Ambergris, gray, tins oz. 8.50 -12.00
Aminoazotoluene, bbls lb. .85 —
Aminomethylpropanol, cns., dms., works lb. .50 60
Aminoethylethanolamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Aminophylline, bots., kgs lb. 7.90 - 8.05
Aminopyrine, bots., dms lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works ton.74.00 -85.00
pure, cyls., extra lb. .17 - —
refrigeration, tanks, works ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 2.85 3.00
l.c.l., works 100 lbs. 3.25 3.50
tanks, works, anhyd. basis ton.76.00 —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb .39 40
reagent, jars lb. 61 63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 1.00
Biborate, bbls., c.l., works ton.302.00 - —
ton lots, works ton.355.50 - —
less ton lots, works ton.369.50 - —
Bicarbonate, dms., works, c.l lb. .05½- —
l.c.l., works, dms lb. .06 - —
Bichromate, bbls., works lb .26 .30
Bifluoride, dms., dlvd lb .13 13½
Bromide, gran., NF, bbls lb. .36 .37
dms. lb. .37 .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .18½- .22
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, sal)
USP, bbls., dms., kgs lb. .20 .22
Citrate, dibasic, bbls lb. .75 —
dms. lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms lb. 2.40 —
Iodide, NF, jars lb. 3.96 - 4.00
Linoleate, plastic, 80%, dms., works lb. .40½- —
kgs., works lb .42½- —
25%, dms., frt. alld lb. .21½- —
tech., bbls., works lb. .37 —
dms., works lb. .39 —
Molybdate, metal grade, kgs lb. .90 - —
chemical grade, bbls., kgs lb. .85 - —
A.C.S., grade, dms lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton.79.50 —
dom., ngs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton.46.00 - —
Oleate, dms. lb. .30¼- —
Oxalate, fine gran., dms lb. .25 - —
dms., 100 lbs., lots lb. .27 - —
Pentaborate, gran., bbls., c.l., works ton.212.00 - —
ton lots, works ton.265.50 - —
less ton lots, works ton.270.50 - —

Ammonia pentaborate powder, $10 per ton higher.

Perchlorate, kgs lb. .25 —
Persulphate, kgs lb. .25½- 28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works lb. .08½- — —
dibasic, NF V, bbls., dms lb. .10 - — —
tech., bgs., c.l., works lb. .08 - — —
l.c.l., works lb. .08½- — —
Salicylate, NF, dms., kgs lb. 1.25 - —
Silicofluoride, bbls., works lb. .11½- .12
Stearate, 28%, dms lb. .21 - .31
paste, dms lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 .20
Sulphate, bulk, producing ovens ton.45.00 -46.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd. or frt. alld.lb. .09 —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works lb. .15 —
l.c.l., works lb. .16 .18
Thioglycollate, highly purified, 100% basis, cbys lb. 2.45 —
commercial, same basis lb. 2.15 —
Thiosulphate, jars lb. .32 - .36
Amphetamine hydrochloride, bots lb.45.00 -50.00
Phosphate, bots lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .21½- .22
l.c.l., dlvd. lb. .22½- .23
tanks, dlvd. lb. .20½- —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .21½- —
l.c.l., same basis lb. .22½- —
tanks, same basis lb. .20½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb. .90 1.00
Chloride, mixed, tech., dms., c.l., works lb. .07 —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works lb. 1.10 —
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns lb. .77 1.00
Anethol, com'l, dms., works lb. .50 —
NF, dms lb. .75 - 1.40
Angelica root, dom., bls. lb. .90 - 1.00
imported, bls. lb. .98 1.00
Angostura bark, bls lb. .48 .50
Anilin oil, dms., c.l., works, frt. alld lb .16 - —
l.c.l., works, frt. alld lb. .17 - —
tanks, works, frt. alld lb. .15 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .14 - .14½
Cyprus, bgs lb. .20 - .20½
Mexican, bgs lb. .18½- .19
Syrian, bgs lb. .17 - .17½
Anisic aldehyde, bots lb. 2.25 - 2.75
Annatto paste, bxs lb. .34 - .37
Seed, bgs lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works lb. .81 1.00
Anthraquinone, 99.5%, bbls lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb. .29 - .30
Metal, bulk, c.l., mines lb. .38½- —
Needle, cs lb. No stocks.
Oxide, ceramic grade, bgs., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
paint grade, bgs., c.l., works, lb. .35¾- .36
l.c.l., works lb. .36¾- .37
Salt, 65%, bgs., c.l., dlvd. E. of Miss lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works, lb. .26 - —
l.c.l., works lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrine, bbls lb. 2.35 - 2.45
Apomorphine, bots oz.23.20 -23.70
Archil extract, bbls lb. No stocks.
Areca nuts, powd., bbls lb. .22 - .25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HYDRATED LIME
A fine white, fluffy material, widely used in bleaching powder, causticizing reactions, acid neutralizing and pH control.
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Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.
MICRONIZED* PRODUCTS
Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.
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A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.
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Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.
ALUMINUM SULPHATE
A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.
* Registered Trade Name

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ALUMINUM IMPORT CORP. NEW YORK BUENOS AIRES SAO PAULO

Arecoline hydrobromide, bots. .. oz. 6.10 - 6.75
Arginine hydrochloride, laevo kilo.140.00 -150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) .18.00 -18.50
Arnica, flowers, bls.....lb. .50 - .90
root, bls. .....lb. 1.45 - —
Arrowroot, powd., bgs.....lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt..lb. .75 - .90
Sulphide, yellow, bbls.....lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd..lb. .06 - —
l.c.l. .....lb. .07 - .08
Asafetida, cs.....lb. .33 - .36
powd., bbls., dms.....lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines..ton.88.00 - —
5R, bgs., c.l. (20 tons), same basis..ton.79.00 - —
6D, bgs., c.l. (30 tons), same basis..ton.59.00 - —
7D, bgs., c.l. (30 tons), same basis..ton.52.50 - —
7F, bgs., c.l. (30 tons), same basis..ton.49.50 - —
7K, bgs., c.l. (30 tons), same basis..ton.35.50 - —
7M, bgs., c.l. (30 tons), same basis..ton.31.00 - —
7R, bgs., c.l. (30 tons), same basis..ton.30.00 - —
7RF, bgs., c.l., same basis..ton.31.00 - —
7T, bgs., c.l., same basis..ton.28.50 - —
7TF, bgs., c.l., same basis..ton.31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery .....gal. .09½- —
Emulsion, tanks, tank wagon, refinery .....gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines..ton.36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines..ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.36.50 - —
Manjak, No. 10, crude, dms., works..lb. .06½- —
process form, bgs., works..lb. .05¾- .12
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery .....ton.23.00 - —
80-300 penetration, tanks, tankwagon, refinery.....ton.22.00 - —
Atropine, bots. .....oz.13.50 -15.00
Sulphate, bots. .....oz.10.35 -12.00

B

Bacitracin, bulk, unlabeled, topical, 2,000 units..vial. .40 - —
10,000 units.....vial. .78 - —
50,000 units.....vial. 2.86 - —
Balm of Gilead, buds, bgs. .....lb. 2.00 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs. .....lb. .78 - .80
Barbital, dms. .....lb. 4.50 - —
Sodium, dms. .....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton.72.50 -80.00
smaller lots, works.....ton.82.50 -90.00
Chlorate, kgs., works. .....lb. .25½- .31
Chloride, NF, cryst., dms.....lb. .11 - .13
tech., bgs., c.l., works, frt. equald...ton.90.00 - —
l.c.l., works. .....ton.100.00 - —
Chromate, bgs., frt. equald....lb. .31½- .32
Dioxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .12 - —
Fluoride, bbls. .....lb. .21 - —
Hydrate, crystals, bgs. .....lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., works.....lb. .11 - —
l.c.l., works.....lb. .11½- —
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1-ton up.....lb. .39 - .40
smaller lots .....lb. .40 - .41
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls .....lb. .12½- .13
Sulphide, dms., c.l., works....ton.55.00 - —
l.c.l., works .....ton.70.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines..ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis..ton.35.05 - —
l.c.l., same basis.....ton.36.85 - —
ex whse., N. Y. .....ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Barberry bark, bgs. .....lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. .....lb. 1.15 - 1.25
Root, bls. .....lb. .55 - .60
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.11.00 - —
Benzaldehyde, NF, dms. .....lb. .68 - .90
tech., cbys., dms. .....lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works..lb. .30¼- —
l.c.l., works .....lb. .32¼- —
dust, dry, 50%, 6% gamma distributors, dms., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. .....lb. .19 - —
wet, 50%, 6% gamma distributors, dms., c.l., dlvd lb. .19½- —
l.c.l., dlvd. .....lb. .20½- —
Benzidin base, bbls.....lb. 1.02 - —
Benzocaine, cns. .....lb. 3.50 - 3.85
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 - —
Benzophenone, dms. .....lb. 1.30 - 1.70
Benzoyl chloride, c.l., cbys.....lb. .20 - .28
l.c.l., works .....lb. .22½- —
Peroxide, pure, fib. ctns., works lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. .....lb. .60 - 1.00
dms. .....lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms.....lb. .88 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald..lb. .19 - .21½
l.c.l., same basis.....lb. .20 - .22½
Cinnamate, cns .....lb. 3.45 - 4.00
Formate, cns. .....lb. 1.95 - 3.50
Propionate, bots. .....lb. 1.65 - 2.30
Salicylate, bots. .....lb. 1.80 - 2.25
Benzylidinacetone, bots. .....lb. 1.85 - 2.70
Benzylisoeugenol, bots .....lb. 8.90 - 9.00
Berberine bisulphate, cns. .....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls. .....lb. .30 - .35
Betagammapicoline, dms., c.l., works, lb. .21 - .23½
l.c.l., works.....lb. .21½- .24
Betanaphthol, resublimed, dms., tech., bbls., c.l., works..lb. .75 - —
l.c.l., works .....lb. .30 - —
Benzoate, fib. dms., works.....lb. .32 - —
Salicylate, dms, ...lb. 1.75 - —
Betanaphthylamine, tech., bbls., works..lb. 5.00 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots..lb. .73 - .80
smaller lots.....lb. 1.45 - —
Betapicolin, 90%-95%, dms., c.l., works..lb. 1.60 - —
98%, dms., c.l., works.....lb. 1.35 - —
Beth root, bls. .....lb. 1.85 - —
Biotin, cryst. .....gram.12.50 - —
Bismuth chloride, jars.....lb. .45 - .50
Citrate, USP VIII, jars.....lb. 3.95 - —
Hydroxide, dms .....lb. 3.27 - —
Metal, bxs., ton lots.....lb. 4.13 - —
Nitrate, cryst., dms .....lb. 2.00 - —
Oxychloride, dms.....lb. 1.85 - —
Oxide, anhydrous, dms.....lb. 3.97 - —
Phenolsulphonate, fib. dms....lb. 4.60 - —
Subcarbonate, USP, dms.....lb. 4.70 - —
Subgallate, NF, fib. dms.....lb. 2.80 - —
Subiodide, fib. dms. .....lb. 2.75 - —
Subnitrate, USP, dms.....lb. 4.90 - —
Subsalicylate, USP, dms.....lb. 2.30 - —
Bismuth-ammonium citrate, USP, powd., dms..lb. 3.20 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point.....lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd....lb. .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works..lb. .07 - —
bgs., c.l., works.....lb. .0740- —
l.c.l., dlvd. or whse,...lb. .11¼- .117
uncompressed, regular, bgs., c.l., works..lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .13¾- —
Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse.....lb. .09½- —
high modulus, bgs., c.l., works, lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
semi-reinforcing, bgs., c.l., works..lb. .03½- —
ctns., l.c.l., whse.....lb. .07½- —
very fine, bgs., c.l., works..lb. .0740- —
l.c.l., dlvd. or whse.....lb. .1125- .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .10¾- —
l.c.l., works .....lb. .11 - —
Lamp, bgs., c.l., works.....lb. .07 - .30
Mineral, bgs., works.....lb. .0160- 0675
Black ash (see Barium sulphide).
Blackberry root, bls. .....lb .12 - .13
bark of root, bls. .....lb. .32 - .33
Black dyes (see Dyes).
Black haw, root bark, bls. .....lb. .78 - .82
Tree bark, bls.....lb. .28 - .30
Black Indian hemp root, bls.....lb. .48 - .52
Blanc fixe, dry, by-product, bgs., c.l., works..ton.77.50 - —
l.c.l., works.....ton.85.00 - —
Blanc fixe, dry, direct process, bgs., c.l., works..ton.85.00 - —
l.c.l., works.....ton.90.00 - —
N. Y. whse. .....ton.103.00 - —
bbls., c.l., works.....ton.90.00 - —
l.c.l., works .....ton.95.00 - —
N. Y. whse. .....ton.113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.67.00 - —
l.c.l., same basis.....ton.73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works .....100 lbs. 4.75 - —
Blood, dried, 16-16½% ammo., bgs unit-ton.10.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 9.50 - —
soluble, bgs., c.l. .....lb. .17 - .19
l.c.l., ...lb. .18 - .25
Bloodroot, bls.....lb. .56 - .67
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis .....lb. 1.90 - —
Toner, bbls., litho flushed, same basis..lb. 1.10 - —
Celestial, bbls., same basis.....lb. .15 - .16
Chinese, bbls., same basis .....lb. .45 - —
Cobalt, genuine, bbls., same basis .....lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis..lb. 3.75 - 3.85
80%, bbls., same basis.....lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis..lb. 4.20 - —
Milori, bbls., same basis .....lb. .45 - —
Peacock, fugitive, 100% color strength, same basis..lb. .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis..lb. 3.75 - —
Tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis....lb. .51 - —
Prussian, bbls., same basis.....lb. .45 - —
soluble, bbls., same basis.....lb. .45 - —

Arecoline Hydrobromide—Blue, Prussian

GOLWYNNE

CAUSTIC SODA

POTASSIUM PERMANGANATE U. S. P. PELLETS

FORMIC ACID 90%

DIMETHYLANILIN

PARA-AMINOPHENOL

METHANOL, Pure Synthetic

CAFFEINE CITRATED, U. S. P.

MAGNESIUM OXIDE Heavy

SODIUM BICHROMATE

TRICHLORETHYLENE

SODIUM SULFATE, ANHYDROUS

ANILIN OIL

BENZIDINE BASE

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GOLWYNNE
CHEMICALS CORPORATION

Blue, Soda—Calcium Phenolsulphonate

Blue, soda, CP, bronze, bbls., same basis lb. .39 • —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 • .26½
Jobbing type, dry, bbls., same basis lb. .14 • —
regular types, dry or pulp, bbls., same basis lb. .19 • .29
Victoria toner, molybdic, bbls lb. 3.75 • —
Tungstic, bbls lb. 3.75 • —
Violet toner, molybdic, bbls., same basis lb. 1.24 • —
Tungstic, kgs., same basis lb. 2.60 • 2.70

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .55 • .60
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .08 • .09
Bone, raw, bulk, Chicago ton.75.00 • —
junk, bulk, same basis ton.50.00 • 52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 • —
Chicago, works ton.65.00 • —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work. ton.65.00 • —
Chicago, works ton.65.00 • —
Bone meal, steamed, fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.60.00 • —
Chicago, works ton.60.00 • —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 • .16
Borage flowers, bls lb. .43 • .50
Borax, tech, anhydrous, bgs., c.l., works ton.78.00 • —
ton lots, ex whse, N. Y. or Chi ton.122.75 • —
less ton lots, same basis, ton.127.75 • —
bbls., c.l., works ton.98.00 • —
ton lots, ex whse, N. Y. or Chi ton.142.75 • —
less ton lots, same basis, ton.147.75 • —
bulk, c.l., works ton.71.50 • —
crystals, 99½%, bgs., c.l., works, ton.61.25 • —
ton lots, ex whse, N. Y. or Chi ton.106.00 • —
less ton lots, same basis, ton.111.00 • —
bbls., c.l., works ton.81.25 • —
ton lots, ex whse, N. Y. or Chi ton.126.00 • —
less ton lots, same basis, ton.131.00 • —
bulk, c.l., works ton.57.25 • —
Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 • —
ton lots, ex whse, N. Y. or Chi ton.80.00 • —
less ton lots, same basis, ton.85.00 • —
bbls., c.l., works ton.55.25 • —
ton lots, ex whse, N. Y. or Chi ton.100.00 • —
less ton lots, same basis, ton.105.00 • —
bulk, c.l., works ton.31.25 • —
powdered, bgs., c.l., works ton.40.25 • —
ton lots, ex whse, N. Y. or Chi ton.85.00 • —
less ton lots, same basis, ton.90.00 • —
bbls., c.l., works ton.60.25 • —
ton lots, ex whse, N. Y. or Chi ton.105.00 • —
less ton lots, same basis, ton.110.00 • —
bulk, c.l., works ton.36.25 • —

Borax packed in kgs. is $4s per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 • .21
l.c.l., same basis lb. .16 • .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 • —
1,000 lbs., same basis lb. .23 • —
single pkgs., same basis lb. .26 • —
dms., lead-lined, c.l., divd lb. .19 • —
Bromoform, USP, bots. lb. 1.50 • 1.70
cbys. lb. 1.42 • —
Bromstyrol, bots lb. 4.65 • 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 • .60
moulding, cans, dms., works lb. .80 • 1.00
printing ink, cans, dms., works lb. .95 • 1.10
radiator, cans, dms., works lb. .60 • .65
Broomtop, bls. lb. .25 • .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½ • —
Oxide, metallic, bgs., works lb. .03 • .03¾
Sap, crystals, works lb. .12 • —
powdered lb. .13 • —
Sienna, burnt, paper bags., c.l., works lb. .03¾ • .14¾
l.c.l., works lb. .04 • .15
raw, paper bgs., c.l., works lb. .04 • .12½
l.c.l., works lb. .04¼ • .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ • .05¾
l.c.l., bgs., works lb. .05 • .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ • .07¾
l.c.l., works lb. .06 • .08
raw, American, bgs., same basis lb. .03¾ • .06
Turkey type, bgs., same basis lb. .06 • .06¼
Vandyke, bbls., works lb. .09¾ • .12
Brucine, cns., 100 ozs. oz. .40 • .50
Sulphate, cns., 100 ozs. oz. .30 • .40
Bryonia root, bls. lb. .34 • .36
Buchu leaves, bls. lb. .85 • .90
Buckthorn bark, bls. lb. .23 • .24
cut and sifted, bls. lb. .26 • .28
Berries, bgs lb. .85 • 1.00
Burdock, root, bls. lb. .23 • .25
Butadiene, cyls., refy lb. .19 • —
tanks, same basis lb. .11½ • —
Butane, indust., tanks, group 3 gal. .06 • —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss. lb. .19 • —
l.c.l., same basis lb. .20 • —
tanks, same basis lb. .17½ • —
tankwagons, same basis lb. .18 • —
other production, dms., c.l., same basis lb. .19 • .19½
l.c.l., same basis lb. .20 • .20½
tanks, same basis lb. .17½ • .18
synthetic, normal, dms., c.l., same basis lb. .19 • —
l.c.l., same basis lb. .20 • —
tanks, same basis lb. .17½ • —
secondary dms., c.l., divd. E. of Miss. lb. .14½ • —
l.c.l., same basis lb. .15 • —
tanks, same basis lb. .13 • —

Normal butyl acetate W. of Miss., ½c. per lb. higher.

Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .20½ • —
l.c.l., works lb. .21½ • —
tanks, works lb. .19½ • —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 • —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .42½ • —
l.c.l., same basis lb. .43½ • —
tanks, same basis lb. .41 • —
Laurate, dms., works lb. .42 • —
Methacrylate, M-4, dms., works lb. .60 • —
cns., works lb. .63 • .67
P-4, cns., works lb. .65 • —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 • —
Phenylacetate, dms lb. 2.00 • 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd lb. No stocks
tanks, divd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .43½ • —
l.c.l., same basis lb. .44½ • —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars lb. 2.10 • 2.15
Iodide, jars lb. 5.10 • —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., divd. lb. 2.00 • —
patent shapes, cs., divd lb. 2.10 • —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more lb. 4.75 • 8.00
anhydrous, dms., 100 lbs. or more lb. 5.00 • —
Citrated, dms., 100 lbs. or more lb. 3.00 • —
Hydrobromide, bots. lb. 6.50 • —
Calabar beans, bgs., futures lb. .65 • .66
Calamus root, dom., bgs. lb. .28 • .30
imported, bleached, bls. lb. .70 • .35
peeled, bls. lb. .30 • .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works gram. 4.00 • —
1,000 to 10,000 s.u., works gram. 4.40 • —
less than 1,000 s.u., works gram. 4.80 • —
In edible oil, dms., 10,000 or more. .10 • —
1,000 to 10,000 s.u., works unit. .11 • —
less than 1,000 s.u., works unit. .12 • —
Calcium acetate, bgs., divd. 100 lbs. 3.00 • 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. lb. .10½ • —
l.c.l., same basis lb. .11½ • —
Bromide, NF, jars lb. .75 • .85
Carbide, dms., c.l., works ton.114.00 • 147.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .23 • .30
flake, 77-80%, paper bgs., c.l., works, frt. equald. ton.22.00 • —
l.c.l., same basis ton.37.00 • 67.00
liquor, works, basis 40%, tankcars ton. 9.00 • —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 • —
l.c.l., works, same basis ton.30.00 • 59.00
Chromate, bgs., frt. equald lb. .29¼ • .30
Cyanide, dms., divd. E. of Rockies. lb. .30 • .50
Gluconate, AA, bbls lb. .65 • .72
cns. lb. .83 • .90
USP, bbls. lb. .58 • .65
cns. lb. .76 • .83
Hydride, dms., works lb. .90 • —
Glycerophosphate, NF, fib. dms. lb. 1.65 • 1.80
Hypochlorite, 100-lb. dms., divd. E. of Rockies dm.24.00 • 26.50
cans, cased (45 lbs.) same basis, cs.19.75 • 21.50
Hypophosphite, 50-lb. lots, dms lb. .80 • .83
Iodide, jars lb. 4.12 • —
Lactate, USP, dms lb. .37 • .44
Laurate, bbls lb. .43 • .44
Mandelate, USP, dms., works lb. 1.85 • 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld. lb. .23¾ • .24¼
Pantothenate, dextro, jars gram. .07½ • —
Phenolsulphonate, dms. lb. .59 • .60

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Fused Alkali Products...Dry Ice...Carbonic Gas...Sodium Chlorite Products...Sodium Methylate

Mathieson CHEMICALS

ESTABLISHED 1892 • PLANTS AT NIAGARA FALLS, N. Y., SALTVILLE, VA., LAKE CHARLES, LA.

Calcium phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., works ton 105.00 -125.00
bbls., 10 or over, works lb. .07 - .07¼
less than 10, works lb. .08 .10
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05½ - —
less, same basis lb. .06¼ - —
tribasic, bgs., c.l., works 100 lbs. 6.60 —
bgs., l.c.l., works 100 lbs. 6.95 7.30
Phytate, bgs., works lb. .22 —
Resinate, precip., dms., frt. alld, works lb. 24 —
Silicate, hydrated, bgs., c.l., works lb. .05½ - —
l.c.l., works lb. .06 —
Stearate, precip., ctns., c.l., works, lb. .36 - —
l.c.l., works lb. .37 - .38
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton 45.00 —
70%, bgs., c.l., works ton 50.00 —
luminous tins, works lb 1.25 —
Calcium-strontium sulphide, phosphorescent, dms., works lb 1.06 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 .85
Calomel, USP, cryst., dms lb. 1.82 1.83
fine powd., dms lb. 1.97 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, dms., kgs. lb 3.10 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb .42 —
10 bbls. (1,500 lbs.) lb .44½ —
smaller lots lb .45 .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.25 1.50
powd., bxs lb. 1.40 1.50
Cantharides, Russian, bgs lb. 5.00 - 5.25
powd., bxs. lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 6.75
Caramel coloring, bbls gal. 1.05 —
Caraway seed, Danish, bgs lb. .19¾ - .20¼
Dutch, bgs lb. .20 - .20¼
Carbazole, 97%, steel dms., ton lots, works lb. 1.75 - —
fib. dms., same basis lb. 1.70 - —
Carbinol butyl, normal (see Alcohol, amyl, refined)
secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld, E lb. .14½ - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼ - —
l.c.l., same basis lb. .07¼ - —
5-gal. dms., same basis lb. .09½ - —
l.c.l., same basis lb. .09¾ - —
Dioxide, cyls lb. .06 .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld lb. .03 - —
l.c.l., same basis lb. .08½ - —
W. of Rockies, c.l., f.o.b. stock points lb. .03½ - —
l.c.l., frt. alld. lb. .09 - —
USP, cbys lb .17 .19
Carboxymethylcellulose-Sodium—See CMC.
Cardamom fruit, bleached, bold, cs., lb. 3.25 - 3.30
medium, cs lb. 2.50 - 2.55
Coorges, cs lb. 1.75 - 1.80
decorticated, Guatemalan, cs lb. 1.94 - 1.96
Indian, cs., futures lb. 2.00 Nom.
green, Alleppey, bgs., futures lb. 1.80 - 1.85
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
bulk grain quantities gm. 5.00 —
technical, 1,350,000 A units per gram gm. .67½ - —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. 70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.37 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 —
Carvol, bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .35 - .40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd lb 09¾ - —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more ship't point lb. .29 - —
rennet-precip., 10,000 lbs. or more, same basis lb. .34 Nom.
imported, acid-precip., ground, bgs. or more lb. .25½ - .25¾
rennet-precip., unground, 100 or more lb. 30 Nom.
Cashew nut liq., treated, c.l., dms., f.o.b. Newark, N. J. lb. .21 - —
ton lots, dms., same basis. lb. .22½ - —
dm. lots, same basis lb. .24½ - —
Cassia bark, Batavia, longstick bls., lb. .35 - .38
broken, bls. lb. .28 - .29
China, buds lb. .35½ - .36
rolls, select, cs lb. .09½ - .10
broken, bls lb. .09 - .09½
Honan, bls lb. .18 - .19
Saigon, broken, bls lb. .25 - .26
medium, bls lb. .35 - .35½
thin, bls. lb. .40 - .41
Buds, China, bgs lb. .32 - .33
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Nov. ship't, Brazilian ports long ton 125.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 27.50 —
Castoreum, nat., cns lb 12.00 - 45.00
synthetic, cns lb 22.00 - —
Catechol, CP, cryst., fib. dms., works, lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .55 - .60
Celery seed, French, bgs lb. .24 - .24½
Indian, bgs lb. .20½ - .21
Indian, bgs lb. .20 - .20½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - —
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .49 .51
regular black, dms., l.c.l., same basis lb. .35 .39
variegations, dms., l.c.l., same basis lb. .54 .59

Cellulose butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works, lb. .53 - —
17.5% butyryl content, ctns., 500 lbs. and over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 —
gran., 37% butyryl content, ctns., 500 lbs. and over, works lb. .51 - .57
less than 500 lbs., works lb. .52 .58
48% butyryl content, ctns., 500 lbs and over, works lb. .57 —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld lb. .56 .61
regular black, dms., l.c.l., same basis lb. 47 51
variegations, dms., l.c.l., same basis lb. .61 66
Triacetate, flake, ctns., works, frt alld. on 100 lbs. or more lb. .40 —
Cerium hydrate, dms., works lb. 1.25 —
Oxalate, NF, bbls., bgs., works lb 70 72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100 lb. lots, works lb. 1.75 —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02¾ - .05½
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton 40.00 —
papermakers, bgs., c.l., works ton 32.50 - 40.00
rubber makers, bgs. c.l., works ton 30.60 —
Chamomile flowers, Hungarian, cs lb. .46 .50
Roman, bls. lb. 1.10 1.50

Charcoal, hardwood, briquets, bulk, c.l., works ton 49.80 - —
bgs., c.l., works ton 51.80 - —
granular, bgs., incl., c.l., works. ton 46.80 -59.00
lump, bulk, c.l., works ton 38.80 -43.50
bgs., extra, returnable, c.l., works ton 41.80 -45.50
Pinewood, gran., powd., bgs., c.l., works, South ton 40.00 —
l.c.l., works, ton 50.00 -60.00
lump, bgs., c.l., works, South ton 35.00 —
Willow, powd., bbls lb. .06 .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0465- —
l.c.l., works lb. .0495- —
tanks lb. .0390- —
powd., 65% tannin, bgs., extra, c.l., works lb. .1105- —
l.c.l., works lb. .1170- .1180
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton 12.50 -13.00
l.c.l., works ton 13.50- 14.00
bulk, c.l., works ton 9.50 -10.00
99% 200 mesh, bgs., c.l., works ton 10.00 -12.00
l.c.l. works ton 11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works ton 13.00 - —
paper bgs., c.l., works. ton 15.00 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton 16.00 -35.00
powd., bgs., c.l., ex dock ton 45.00 —
l.c.l., ex whse ton 50.00 -55.00
Chloral, dms., works lb. 45 50
Hydrate, jars lb. 90 95

Calcium Phosphate—Chromium Yellow

Chlordane, agricultural, dms., l.c.l. stock points lb. 1.05 - 2.00
refined, dms., stock points lb. 1.20 - 2.15
Chlorinated rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, tquio, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms lb .20 .23
USP, dms lb. .30 .33
Chloro(4)-2-Toluidine, bbls. lb. 1.33 —
Chloropicrin, com'l, bots lb. 1.35 - —
cyls., 180-lbs., frt. alld lb. .35 - —
100-lbs., same basis lb. .37 - —
25-lbs., same basis lb. 1.12 - —
Cholesterol, USP, fib. dms., 100-lb lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 3.10
feed grade, fib. dms., works lb. 2.20 —
Dihydrogen citrate, fib. dms., works. lb. 3.00 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., cs lb. 09¼ - —
8¾%, bbls., cs lb No stocks
Cake, bulk, c.l., works ton 16.00 —
Chromium fluoride, bbls., works lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Monsanto Pharmaceuticals

Saccharin, U.S.P.
Benzyl Benzoate, U.S.P.
Glycerophosphates
Sodium Benzoate, U.S.P.
Caffeine, U.S.P.
Sodium Phosphate, Di
Methyl Salicylate, U.S.P.
Chloral Hydrate, U.S.P.
Phenol, U.S.P.
Benzoic Acid, U.S.P.
Acetanilid, U.S.P.
Ferric Phosphates
Salol (Phenyl Salicylate)
Magnesium Phosphates
Salicylic Acid, U.S.P.
Phenolphthalein, U.S.P.
Chloramine-T
Phosphoric Acid
Calcium Phosphate, Di
Acetophenetidin, U.S.P.
Potassium Ammonium Phosphate
Sodium Salicylate, U.S.P.
Sulfanilamide, U.S.P.
Acetyl Salicylic Acid, U.S.P. (Aspirin)

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Chrysarobin—Dichloroanilin

Chrysarobin, USP, bots. ..... lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs. lb. 1.26 Nom.
broken, bgs. lb. .45 - .50
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 4.70 - 4.75
Cinchophen-sodium, standard, dms., works lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, chys., cns., dms lb. .75 - 1.25
Cinnamon, Ceylon, No. 2, bls. lb. .25½- .26
Citral, bots., cns. lb. 3.75 - 5.00
Citronellal, bots., dms. lb. 2.75 - 7.75
Citronellol, bots., dms. lb. 3.20 - 4.75
Clove, Madagascar, bls. lb. .15 - .16
futures, bls. lb. .17¾- .18
Zanzibar, bls. lb. .20½- .21
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
CMC, high vis., ctns., 2,000 lbs., works, frt. alld. lb. .66 - —
smaller lots, same basis lb. .70 - —
low and medium vis., ctns., 2,000 lbs., works, frt. alld. lb. .62 - —
smaller lots, same basis lb. .66 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., works gal. .24½- —
l.c.l., works gal. .26 - —
tanks, works gal. .14½- —
refd., bbls., c.l., works gal. .25½- —
l.c.l., works gal. .27 - —
tanks, works gal. .15½- —

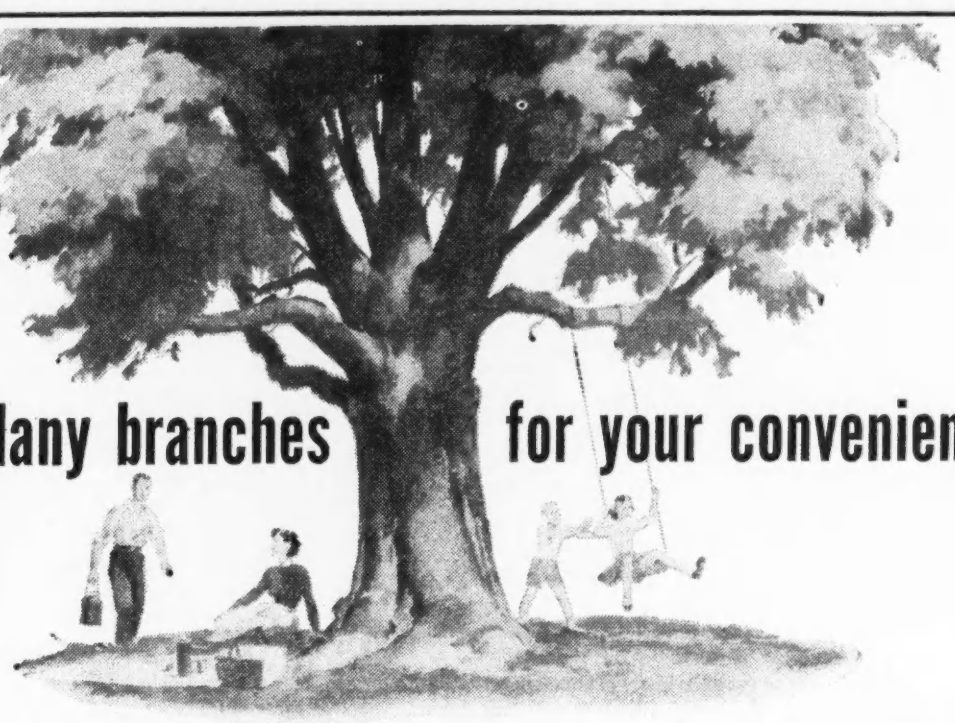
Cobalt acetate, bbls., dlvd. lb. .90 - —
Carbonate, powd., bgs., works lb. 1.58 - —
feed grade, 49¼% Co, kgs. lb. 1.58 - —
Chloride, kgs., works lb. .87½- —
feed grade, 24.5% Co, kgs. lb. 1.25 - —
Hydrate, bbls. lb. 2.04 - —
feed grade, 62% Co, kgs lb. 2.04 - —
Linoleate, paste, 6% Co, dms. lb. .56 - —
solid, 8½% Co, dms. lb. .65 - —
8% Co, dms. lb. .61¼- —
Naphthenate, liq., 6% Co, dms., frt. alld lb. .37¼- .37¾
Nitrate, feed grade, 20.4% Co, bbls lb. .75¾- —
Oxide, black, kgs lb. 1.27½- 1.30
Phosphate, feed grade, 34% Co, kgs lb. 1.26½- —
Resinate, precip., 7.5% Co, dms lb. .38½- —
Sulphate, dms lb. .65 - —
feed grade, 21% Co, kgs lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve., or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs. lb. .67 - .68
silver, Teneriffe, bgs. lb. .69 - .70
Cocillana bark, bgs. lb. .20 - .22
Cocoa butter, bgs. lb. .48 - .49
Codeine, cns., 100 ozs. oz. 13.25 - —
Hydrochloride, cns., 100 ozs. oz. 11.85 - —
Phosphate, cns., 100 ozs. oz. 10.25 - —
Sulphate, cns., 100 ozs. oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls. lb. .18 - .19
Colchicine, bots., cns. oz. 145.00 - 160.00
Colchicum seed, bgs. lb. 2.75 - 3.00

Collodion, USP, dms. lb. .24 - .29
Flexible, USP, dms. lb. .25½- .30½
Colocynth, pulp, bls. lb. .45 - .47
Colombo root, bls. lb. .18 - .19
Coltsfoot leaves, bgs. lb. .40 - .45
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms. lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls. lb. .218 - .2525
Chloride, anhyd., bbls. lb. .29 - —
crystals, bbls. lb. .20 - .20¾
Cyanide, tech., bbls. lb. .48 - —
Hydrate, dms., dlvd. E. Miss. lb. .27½- .28
Metal, electrolytic lb. .23½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- .23¼
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls. lb. .33 - —
solid, 10% Cu, bbls. lb. .45¾- —
12.5% Cu, bbls. lb. .44½- —
Oxide, black, bbls., works lb. .30½- .32½
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99% bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 9.10 - —
monohydrated, 35% dms., c.l., dlvd. 100 lbs. 13.50 - —
tribasic, dealers, bgs., works, c.l. lb. .22¾- —
l.c.l., works lb. .23¾- .24¼
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f. Pacific ports ton. 180.00 - —
Atlantic or Gulf ports ton. 185.00 - —

Coriander seed, Argentine, bgs., futures lb. .05½- .06
Italian, bgs. lb. .05½- .06
Moroccan, bgs. lb. .06 - .06¼
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.73 - —
bbls., c.l., same basis 100 lbs. 5.73 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.10 - —
l.c.l. 100 lbs. 6.20 - —
Cornsilk, bls. lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E. ton. 57.00 -58.00
smaller lots ton. 59.00 - 3.10
Coumarin, cns., 25 lbs. lb. 3.00 - 3.05
Cramp bark, NF, bls. lb. .80 - .85
Cranesbill root, bls. lb. .30 - .31
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .32½- —
smaller lots lb. .33 - .34
imported, kgs. lb. .30½- .30¾
Creosote, beechwood, bots., cbys. lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19½
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 30% a. tanks, works gal. .20 - —
Hardwood, NF, bots., cbys. lb. .85 - —
Pinewood, dms gal. .31 - .32
Creosote carbonate, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald. lb. .19 - .19¼
l.c.l., same basis lb. .19½- .19¾
tanks, same basis lb. .18¼- .18½
USP, dms., c.l., same basis lb. .18¾- .19¼
l.c.l., same basis lb. .19¼- .19¾
tanks, same basis lb. .18 - .18¼
Crotonaldehyde, 91-93%, dms., c.l., works lb. .16½- .20
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 -14.75
Cube root, powd., 5% rotenone, bbls., works lb. .31 - .33
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs. lb. .50 - .55
powd., cs. lb. .60 - .65
Culvers root, bbls. lb. .60 - .70
Cumene, dms., c.l. lb. .03 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin, seed, Moroccan, bgs. lb. No stocks.
Persian, bgs. lb. .20 - .20½
Cutch, extract, 55% tannin, bgs., ex dock lb. .09½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis, unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works, lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works, lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, cyls., dlvd. gal. .27 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls. lb. .45 - .50
Dandelion root, bls. lb. .44 - .50
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .32 - —
smaller lots, works lb. .33 - .34
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 41.65 -52.50
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% fla., bbls lb. .16 - .18
over 2% fla., bbls lb. .15 - .17
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.22 - —
Chicago 100 lbs. 6.60 - —
l.c.l. 100 lbs. 7.37 - —
Canary, paper bgs., c.l. 100 lbs. 6.96 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.11 - —
dark, paper bgs., c.l. 100 lbs. 7.06 - —
Chicago 100 lbs. 6.44 - —
l.c.l. 100 lbs. 7.21 - —
white, paper bgs., c.l. 100 lbs. 6.81 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.96 - —
Potato, dom., paper bgs. lb. .10½- .11¼
Prices for dextrin in cotton bgs., 17c. higher.
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.05 - 5.55
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast, ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dinenzyl sebacate, dms., c.l., works, lb. .70¼- —
l.c.l., works lb. .70¾- —
tanks, works lb. .68¾- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .58¼- —
l.c.l., works lb. .58¾- —
tanks, works lb. .56¾- —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .38¾
l.c.l., dlvd lb. .34½- .39
tanks, dlvd lb. .32 - .37
Sebacate, dms., c.l., works lb. .58 - —
l.c.l., works lb. .58½- —
tanks, works lb. .56½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .52¼- —
l.c.l., frt. alld lb. .53¼- —
tanks, frt. alld lb. .50 - —
Dicapryl sebacate, dms., c.l., works, lb. .58½- —
l.c.l., works lb. .59 - —
tanks, works lb. .57 - —
Dichloroanilin, dms., works lb. .75 - —



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Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicoumarol bots, works lb.16.00 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½ - —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½ - —
l.c.l., same basis lb. .27½ - —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l. lb. .41½ - —
l.c.l., same basis lb. .42½ - —
tanks, same basis lb. .40 - —
Maleate, dms., c.l., dlvd. lb. .62½ - —
l.c.l., dlvd. lb. .61½ - —
tanks, dlvd. lb. .60 - —
Oxalate, dms., c.l. lb. .35½ - —
l.c.l. lb. .36½ - —
tanks lb. .34 - —
Phthalate, dms., c.l., dlvd. lb. .27½ - —
l.c.l., dlvd lb. .28 - —
tanks, dlvd lb. .26 - —
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .73 - —
Diethylaniliin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt .alld. E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
tanks, works lb. .24½ - —
Monobutylether acetate, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works lb. .18 - —
l.c.l., works lb. .18½ - —
tanks, works lb. .16½ - —
Monoethylether acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½ - —
tanks lb. .20½ - —
Diethylenetriamine, dms., c.l., works. lb. .51½ - —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, bots kilo.255.00 -330.00
Digitalin, cryst., bots gram.13.00 -15.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms. lb. .85 - 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l. lb. .33 - —
Stearate, bbls., c.l. lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45¾ - —
l.c.l., works lb. .46¾ - —
tanks, works lb. .44¾ - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. 1.28 - —
wholesalers, vials gram. 1.03 - —
Dihydroxydichlorodiphenylmethane, dms lb. .93 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½ - —
tanks lb. .12½ - —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½ - —
tanks, works lb. .05½ - —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .44½ - —
l.c.l., same basis lb. .45½ - —
tanks, same basis lb. .43 - —
Dillseed, natural, bgs lb. .10¼ - .10¾
dewhiskered, bgs. lb. .10½ - .11
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½ - —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .72½ - —
l.c.l., works lb. .73 - —
tanks, works lb. .71 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16¼ - —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½ - .48¼
25%-40%, dms., c.l., works, basis 100% lb. .37 - —
l.c.l., works, basis 100% lb. .38 - —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .21 - .25¾
l.c.l. lb. .25 - .26¾
Dinitroaniliin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .44½ - —
l.c.l., frt. alld lb. .45½ - —
tanks, frt. alld lb. .43 - —
Diorthotolyiguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .53
N. Y., whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, ens lb. .53 - .55
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .35 - —
smaller lots lb. .40 - —
Dipropylene - glycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16½ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton.64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14

Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.50 - 1.55
reeds, cs. lb. 2.50 - 2.75

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.35
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.35 - 7.35
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb.22.20 -22.35
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.80 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots—
Violet, D&C, No. 1, cns. lb.16.10 - —
No. 2, cns. lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb.14.05 - —
No. 37, cns. lb.13.55 - —

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
No. 3, cns. lb.28.55 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .82 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .97 - —
79 Ponceau R lb. .68 - —
151 Orange II lb. .44 - —
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .80 - —
179 Azo rubine lb. .95 - —
180 Diamond blue 3B lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R lb. .62 - —
203 Chrome black T lb. .72 - —
208 Sulphon acid blue R lb. .83 - —
216 Acid alizarin red B lb. .77 - —
234 Resorcin brown lb. .82 - —
246 Naphthol blue black lb. .78 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
273 Benzo fast red SBL lb .2.96 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F lb. 1.33 - —
304 Nerol 2B lb. 1.83 - —
326 Benzo fast orange S lb. 1.57 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine scarlet B lb. 1.56 - —
401 Diamine black BH lb. .38 - —
406 Benzo blue 2B conc lb. .93 - —
419 Diamine fast red F lb. 1.05 - —
420 Diamine brown M lb. .82 - —
448 Benzo purpurine 4B lb. 1.08 - —
518 Diamine sky blue FF lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra. lb. .81 - —
593 Diamine green B lb. .60 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .84 - —
639 Xylene light yellow lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —
657 Malachite green lb. 1.93 - —
662 Brilliant green lb. 2.55 - —
667 Brilliant milling green B lb. 3.27 - —
671 Glaucine lb. 1.54 - —
680 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —
698 Formyl violet S4B lb. 1.51 - —
720 Chrome azurol B lb. 3.60 - —
729 Victoria blue B lb. 2.68 - —
737 Wool green S lb. 2.14 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.76 - —
841 Safranine lb. 2.58 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —

Dichlorodiphenyldichloroethane—Dyes, Coaltar, General Use

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NORMAL PARAFFINS OF HIGH PURITY

TYPICAL ANALYSES				
	C_{12}-C_{20}plus	C_{12}-C_{14}	C_{15}-C_{17}	C_{18}-C_{20}plus
Specific Grav. 20/4°C	0.774	0.760	0.773	0.778 @ 35/4°C
Color, Saybolt	Water-white	Water-white	Water-white	Water-white
Melting Range, °F	40-55	15-25	45-55	80-90
Bromine No.	0.1	0.1	0.2	0.1
Dist.: IBP	450	428	496	576
FBP	657	491	553	692
n-Paraffins, vol. %	95 plus	95 plus	95 plus	95 plus

• Normal paraffins ranging from C_9 to C_{23} are now offered by Shell Chemical for your evaluation. These products vary in physical state from water-white liquids to low-melting point solids, and are essentially free of unsaturated hydrocarbons.

Sample quantities are now available in the ranges of C_{12} to C_{20}, C_{12} to C_{14}, C_{15} to C_{17}, and C_{18} to C_{20}.

These normal paraffins are suggested as intermediates for the manufacture of detergents, plasticizers, halogenated hydrocarbons, and other products. *A letterhead request will bring samples and further technical information.*

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Dyes, Coaltar, General Use—Fluorspar

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

969 Hydron blue R	lb.	.72	-	—
978 Sulphur black T extra	lb.	28½	-	—
1027 Alizarin VI	lb.	.64	-	—
1034 Alizarin red S	lb.	2.30	-	—
1054 Alizarin saphiro B	lb.	2.59	-	—
1078 Alizarin cyanine green	lb.	2.61	-	—
1085 Alizarin blue black B	lb.	2.13	-	—
1096 Indanthrene golden orange G, single paste	lb.	1.96	-	—
double paste	lb.	3.92	-	—
1099 Indanthrene dark blue BO, single paste	lb.	1.72	-	—
1101 Caledon jade green	lb.	2.32	-	—
1106 Indanthrene blue RS, single double paste	lb.	2.52	-	—
double paste	lb.	2.13	-	—
1113 Indanthrene blue GCD, double paste	lb.	1.72	-	—
1130 Indanthrene olive R, single paste	lb.	1.08	-	—
1151 Indanthrene brown R, single paste	lb.	1.65	-	—
double paste	lb.	3.29	-	—
1212 Indanthrene red violet RH, single paste	lb.	1.54	-	—
1217 Helindon orange R, single paste	lb.	1.57	-	—
p-4 Acid anthracine brown PG	lb.	2.48	-	—
p-14 Anthracene chromate brown EB	lb.	1.25	-	—
p-24 Benzo fast black L	lb.	1.94	-	—
p-80 Diazo brilliant scarlet ROA	lb.	2.55	-	—
p-202 Zambesi black V	lb.	1.07	-	—
p-244 Celliton scarlet B	lb.	1.37	-	—
p-313 Naphthol AS-SW	lb.	2.74	-	—
Black, blue, No. 550	lb.	.72	-	—
Jet, No. 551	lb.	.79	-	—
Brown, R, conc	lb.	1.44	-	—

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.

Orange R, brilliant	lb.	.60	-	—
Red 4 B, conc	lb.	1.22	-	—
Yellow, C	lb.	1.05	-	—
FN, conc	lb.	1.08	-	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works,

Auramine, O	lb.	1.66	-	—
Black, basic, blue	lb.	1.08	-	—
Jet	lb.	1.08	-	—
Blue, methylene, 2 B, conc	lb.	1.44	-	—
Brown, Bismarck, R, conc	lb.	.78	-	—
Chrysodine, R, extra	lb.	.54	-	—
Y, extra	lb.	.58	-	—
Fuchsine, conc	lb.	2.84	-	—
Green, malachite, conc	lb.	1.80	-	—
Rhodamine, B	lb.	3.97	-	—
Safranine, Y, conc	lb.	2.66	-	—
Violet, methyl, B	lb.	1.08	-	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B, extra	lb.	.76	-	—
Orange, acid, Y, conc	lb.	.43	-	—
Rhodamine, azo- R, extra, conc.				
Rhodamine, R, extra, conc	lb.	3.97	-	—
Scarlet, croceine, MOO	lb.	1.33	-	—
Yellow, azo-, conc	lb.	.32	-	—
Fast light, 3 G, extra	lb.	1.99	-	—
Methanil, conc	lb.	.83	-	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.48	-	.55
Egg albumen (see Albumen).				
Yolk, dried, dom., bbls	lb.	.94	-	1.00
tanners, bbls	lb.	.06½	-	.07
Elder flowers, bright, bls	lb.	.45	-	.50
Elecampane root, bls	lb.	.27	-	.28
Elm bark, grinding, bls	lb.	.35	-	.36
powd., bbls., bxs.	lb.	.46	-	.47
select, bndls.	lb.	.60	-	.65
Emetine hydrochloride, bots	oz.	42.50	-	46.00
Ephedra herb, bls	lb.	.90	-	.21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs.	oz.	.98	-	—
hydrous, bots., 100 ozs	oz.	.92	-	—
Hydrochloride, tin, 100 ozs	oz.	.75	-	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	-	—
powd., tins, 100 ozs	oz.	.73	-	—
Epichlorohydrin, dms., c.l., works	lb.	.36½	-	—
l.c.l., works	lb.	.37	-	—
tanks, works	lb.	.35	-	—
Epinephrine, synth., USP, bots	gram	.60	-	.70
Epsom salt, tech., bgs., c.l., works.	100 lbs.	2.15	-	—
l.c.l., works	100 lbs.	2.90	-	3.15
USP, cryst., bgs., c.l.	100 lbs.	2.35	-	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	3.10	-	—
smaller lots	100 lbs.	3.35	-	—
Ergot, USP, cns	lb.	1.35	-	1.40
Escrine, bots	oz.	55.00	-	56.00
Sulphate, bots	oz.	60.00	-	61.00

Ether, acetate (see Ethyl acetate).

Amyl, dms., c.l., works	lb.	.095	-	—
l.c.l., works	lb.	.102	-	—
tanks, works	lb.	.085	-	—
Butyl, dms., c.l., dlvd	lb.	.30½	-	—
l.c.l., dlvd	lb.	.31	-	—
tanks	lb.	.29	-	—
Butyric (see Ethyl butyrate).				
Dichloroethyl, purif., dms., works.	lb.,	16½	-	—
l.c.l., same basis	lb.	.17	-	—
tanks, same basis	lb.	.15	-	—
Ethyl, absolute, ACS, dms	lb.	.30	-	—
Anesthesia, USP, hospital, cns	lb.	.70	-	1.05
Industrial, USP, dms., c.l., dlvd	lb.	.14	-	—
l.c.l., same basis	lb.	.15	-	—
tanks, same basis	lb.	.12	-	—
Ether, ethyl, synthetic, dms. incl., frt. alld	lb.	.11½	-	—
l.c.l., same basis	lb.	.12½	-	—
tanks, same basis	lb.	.10	-	—
Isopropyl, dms., c.l., dlvd	lb.	.06	-	—
l.c.l., dlvd	lb.	.06½	-	—
tanks, dlvd	lb.	.04½	-	—
Nitrous, conc., bots., 100 lbs	lb.	.93	-	1.10
	lb.	.93	-	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.11½	-	—
l.c.l., frt. alld	lb.	.12½	-	—
tanks, frt. alld	lb.	.10	-	—
95-98%, dms., c.l., frt. alld.	lb.	.11¾	-	—
l.c.l., frt. alld	lb.	.12¾	-	—
tanks, frt. alld	lb.	.10¼	-	—
99%, dms., c.l., frt. alld.	lb.	.12	-	—
l.c.l., frt. alld	lb.	.13	-	—
tanks, frt. alld	lb.	.10½	-	—
alld	lb.	.11½	-	—
l.c.l., frt. alld	lb.	.12½	-	—
tanks, frt. alld	lb.	.10	-	—
95-98%, dms., c.l., frt. alld	lb.	.11¾	-	—
l.c.l., frt. alld	lb.	.12¾	-	—
tanks, frt. alld	lb.	.10¼	-	—
99%, dms., c.l., frt. alld	lb.	.12¼	-	—
l.c.l., frt. alld	lb.	.13¼	-	—
tanks, dlvd	lb.	.10¾	-	—
Acetoacetate, dms., c.l., works	lb.	.47½	-	—
l.c.l., works	lb.	.48	-	—
tanks, works	lb.	.46	-	—
Ethyl acetoacetate prices on dms., c.l., dlvd, ¼c. higher, l.c.l., ¾c. higher.				
Benzoate, bots	lb.	.60½	-	.66
Betaethoxypropionate, dms., works	lb.	.70	-	—
Bromide, tech., 98% dms	lb.	.36	-	.40
Butyrate, bgs	gal.	4.75	-	—
cns., works	lb.	.65	-	.70
dms., works	lb.	.60	-	—
Carbamate (see Urethane).				
Chloride, tech., tanks	lb.	.13½	-	—
USP, bbls., cyl	lb.	2.30	-	3.60
Cinnamate, cns	lb.	.65	-	.70
Formate, dms	lb.	4.08	-	4.27
Iodide, bots	lb.	.41	-	—
Lactate, dms., works	lb.	.60	-	—
Methyerylate, M-2, dms., works	lb.	.63	-	.67
cns., works	lb.	.65	-	—
P-2, cns., works	lb.	No prices.		
Myristate, dms., works	lb.	1.40	-	2.00
Oenanthate, dms	lb.	.75	-	—
Oleate, dms., l.c.l., works	lb.	.33	-	—
Oxalate, dms., frt. alld	lb.			
Silicate, dist. (see Tetraethyl orthosilicate)				
40% available SiO_2, dms., works.	lb.	.55	-	—
Ethylalphanaphthylamine, bbls	lb.	.80	-	—
Ethylanilin, dms	lb.	.60	-	—
Ethylbenzene, dms., c.l.	lb.	.14	-	—
l.c.l.	lb.	.15	-	—
tanks	lb.	.13	-	—
Ethylcellulose, fib. dms., 5,000 lbs., works	lb.	.52	-	—
smaller lots, works	lb.	.54	-	.62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09	-	—
W. of Rockies	lb.	.09½	-	—
l.c.l., works, frt. alld., E. of Rockies	lb.	.11½	-	—
W. of Rockies	lb.	.12	-	—
smaller containers	lb.	.12½	-	—
tanks, frt. alld. E. Rockies	lb.	.08	-	—
W. of Rockies	lb.	.08½	-	—
Oxide, cyls., c.l., works	lb.	.23¾	-	.25
l.c.l., works	lb.	.24¾	-	.26
tanks, works	lb.	.16¾	-	—
Trichloride (see Trichloroethane).				
Ethylenediamine, tanks, works	lb.	.50	-	—
Ethyleneglycol, dms., c.l., frt. alld.	E lb.	.16	-	—
l.c.l., same basis	lb.	.17	-	—
tanks, same basis	lb.	.14½	-	—
Diethylether, dms., l.c.l., works	lb.	.50	-	—
Monobutylether, dms., c.l., works,	lb.	.21½	-	—
l.c.l., works	lb.	.22	-	—
tanks, works	lb.	.20	-	—
Monoethylether, dms., c.l., works,	lb.	.18	-	—
l.c.l., works	lb.	.18½	-	—
tanks, works	lb.	.16½	-	—
Monoethylether acetate, dms., c.l., works	lb.	.16½	-	—
l.c.l., works	lb.	.17	-	—
tanks, works	lb.	.15	-	—
Monomethylether, dms., c.l., works	lb.	.19½	-	—
l.c.l., works	lb.	.20	-	—
tanks, works	lb.	.18	-	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	-	—
l.c.l., works	lb.	.25	-	—
tanks, works	lb.	.23	-	—
Ethylethanolamines, mixed, dms., c.l., works	lb.	.32	-	—
l.c.l., works	lb.	.33	-	—
Ethylmonoethanolamine, l.c.l., dms., works	lb.	.80	-	—
Ethylmorphine, hydrochloride, bots.	oz.	11.85	-	—
Ethylorthotoluidine, bbls	lb.	.80	-	—
Ethylvanillin, cns., 5 lbs. or more	lb.	6.75	-	—
smaller lots	lb.	6.80	-	6.90
Eucalyptol, USP, cns., dms	lb.	1.85	-	2.05
Eucalyptus leaves, bls	lb.	.12	-	.13
Eugenol, prime, USP	lb.	2.05	-	2.35
Euphorbia, pil., herb, bls	lb.	.15	-	.17

F

Feldspar, enamel, 100 mesh, bgs., works	ton.	20.00	-	22.00
Glass, 20 mesh, bulk, tons, works	ton.	11.75	-	12.50
bulk, c.l., works	ton.	18.00	-	20.00
Pottery, bgs., 2 ton lots, works.	ton.	20.00	-	22.00
bulk, c.l., works	ton.	17.00	-	19.00
Fennel seed, Argentine, bgs	lb.	.11	-	.11½
Indian, bgs.	lb.	.12½	-	.13
Fenugreek, domestic, bgs.	lb.	No stocks.		
Indian, bgs	lb.	.10½	-	.11
futures, bgs.	lb.	.10¼	-	.10½
Moroccan, bgs	lb.	.11	-	.11½
Ferric sulphate (see Iron sulphate, ferric).				
Film scrap, colored, cs., works	lb.	.13	-	—
water-white, cs., works	lb.	.14	-	—
Fir balsam, Canada, cns	gal.	34.50	-	35.00
Oregon, bbls	gal.	2.35	-	2.45
Fishberries, bgs	lb.	.24	-	.25
Fishliver oil (see Oil, fishliver).				
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	150.00		Nom.
65% protein, bgs., Balto. area	ton.	155.00		Nom.
Fishscrap, dried, 60% protein, bulk, Balto. area	ton.	142.50		Nom.
Fleaseed (see Psyllium seed).				
Fluorspar, acid grade, bgs., c.l., mines	ton.	47.50	-	—
l.c.l., mines	ton.	49.50	-	—
bulk, contract, c.l., mines	ton.	42.00	-	—
noncontract, c.l., mines	ton.	45.00	-	—
l.c.l., mines	ton.	47.00	-	—
Ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines	net ton.	39.00	-	41.00

DREW

SPECIAL ALKALI

The most unique and versatile alkali on the market.

For Converters - All cleaner requirements.
- Extending synthetic detergents in mixes.

Contents - 70% more Na_2O than metasilicate (Hyd)
- 230% more Na_2O than trisodium phosphate (Hyd)
- 30% more Na_2O than orthosilicate (Hyd)

Low moisture-15%-17%
Synthetic sulfonates sufficient for wetting, penetrating and light sudsing. Reduces surface tension of water 50%.
Unit crystallized - is not a mechanical mix.
White - non dusty powder, nice-looking; mixes and handles well.
Medium pH.
Excellent soil remover.
Brightens textile colors (laundering and "soaping off").
Completely soluble.
Ideal for dairies, beverage plants, food plants, dishwashing, garages, floor and wall cleaning, laundries, textile scouring and finishing, dyeing, washing, transportation equipment, private brand materials, etc.

Available at a very low cost in 100 lb. bags or 300 lb. barrels.
Write or Wire.

CHEMICAL SPECIALTIES DIVISION

E. F. DREW & CO., INC.

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Fluorspar, washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton 35.00 -37.00
65%, bulk, c.l., mines ton 34.00 -36.00
60%, bulk, c.l., mines ton 33.00 -35.00
less than 60%, bulk, c.l., mines, ton 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0370- —
l.c.l., E. works lb. .0620- —
tanks, E. works lb. .0370- —
methanol free (uninhibited) tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fringetree bark, bls. lb. .43 - .47
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton 30.00 - —
Tex., mines ton 27.00 - —
spent, bulk, Bayonne ton. 2.00 - 4.00
imp., bgs., c.l. ton 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l. lb. .25½- —
l.c.l. lb. .26½- —
tanks lb. .24 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .42½- —
No. 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No. 3, bbls., l.c.l lb. .38¼- —
liquid, No. 0, bbls., l.c.l lb. .22 - —
No. 1, bbls., l.c.l lb. .20½- —
No. 2, bbls., l.c.l lb. .19½- —
No. 3, bbls., l.c.l lb. .17 - —
solid, No. 1, bxs., l.c.l lb. .23 - —

G

G salt, bbls lb. .59 - .60
Galangal root, bls. lb. .14 - 15
Gambier, plantation, bgs., ex dock lb. .21 - .23
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.03
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .105 - —
Bayonne, 76 octane, tanks gal. .126 - —
Gulf coast, 73-75 octane, tanks, gal. .103 - .11
Group 3, 73-75 octane, tanks gal. .1025- .10625
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks gal. .12 - —
natural, 26-70 octane, group 3, tanks gal. .085 - —
Gelatin, silver label, ctns., dlvd lb. 1.25 - —
export, cs lb. 1.35 - —

Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.

Gelsemium root, bls lb. .35 - .40
Gentian root, bls lb. .15 - .16
grd., bbls., bxs lb. .18 - .19
powd., bbls., bxs lb. .19 - .20
Geraniol, extra, cns., dms lb. 2.60 - —
prime lb. 2.20 - —
Geranyl acetate, cns lb. 2.65 - 3.90
Ginger, oleoresin, bots lb. 4.25 - 4.75
Root, African, bls lb. .18½- .19
Cochin, bleached, bgs lb. No stocks.
unbleached, bgs. lb. .20 - .20½
Jamaica, No. 1, bgs lb. .25 - .25½
No. 2, bgs lb. .24 - .24½
No. 3, bgs lb. .22 - .22¼
Rhattoon, bgs lb. .22 Nom.
Ginseng root, cs lb. 14.00 -18.50
Glauber's salt, anhyd. (see Sodium sulphate),
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l. bgs., works 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .14½- —
40-65, bgs., c.l., same basis lb. .16½- —
65-90, bgs., c.l., same basis lb. .18 - —
95-145, bgs., c.l., same basis lb. .22½- —
145-180, bgs., c.l., same basis lb. .25 - —

Bone glue, l.c.l., prices, 1c. higher than c.l.

ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .16 - —
l.c.l., same basis lb. .17 - —
pulverized, 50-60 jellygrams, bgs., c.l. (50,000 lbs.), same basis lb. .18½- —
l.c.l., same basis lb. .19½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .23 - .23
122-149, bgs., c.l., dlvd lb. .26 - .29
150-177, bgs., c.l., dlvd lb. .27 - .30
178-206, bgs., c.l., dlvd lb. .28 - .31
207-236, bgs., c.l., dlvd lb. .29 - .32
237-266, bgs., c.l., dlvd lb. .30 - .33
267-293, bgs., c.l., dlvd lb. .31 - .34
294-330, bgs., c.l., dlvd lb. .32 - .35
331-362, bgs., c.l., dlvd lb. .33 - .36
363-394, bgs., c.l., dlvd lb. .34 - .37
395-427, bgs., c.l., dlvd lb. .35 - .38
428-460, bgs., c.l., dlvd lb. .36 - .39
461-494, bgs., c.l., dlvd lb. .37 - .40
495-529, bgs., c.l., dlvd lb. .38 - .41

Hide glue l.c.l. prices 1c. higher than c.l. bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88% to refiners, tanks, dlvd lb. .28 - .30
soaplye, 80%, tanks, dlvd. lb. .27 - —
dynamite, dms., c.l., dlvd lb. .39½- .40¼
l.c.l., dlvd lb. .40 - .40¾
tanks, dlvd lb. .39¼- .40
high gravity, dms., c.l. lb. .39¼- .40¼
l.c.l. lb. .40 - .40¾
tanks lb. .39¼- .40
refined, BP, 98%, dms., c.l. lb. .39¼- .41¼
tanks lb. .39½- .41¼
USP, 95%, dms., c.l. lb. .39½- .41¼
l.c.l. lb. .40 - .41¾
tanks lb. .39¼- .40
yellow, distilled, dms., c.l. lb. .39¾- .40½
l.c.l. lb. .39¾- .40⅞
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms lb. .22 - —
Stearate, dms lb. .26 - —
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - —
tanks, works lb. .17 - —
Gold chloride, acid-brown, bots oz. 22.00 -22.25
acid-yellow, bots oz. 20.00 -20.25
Gold of pleasure seed, bgs lb. .40 - .41
Golden seal, root, bls. lb. 4.25 - 4.95
powd., bxs lb. 5.50 - 5.75
Gold-sodium chloride, photo, bots. oz. 13.50 -14.00
USP IX, bots oz. 14.50 -15.00
Grains of paradise, bgs lb. .27 - .28
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 - .04
crystalline, 88-90%, powd., bgs., ex whse lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex wnse lb. .22 - .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 - .22
No. 2 whse lb. .23 - —

Grease, house, loose lb. .07½ Nom.
White, choice, loose lb. .08½- —
Wool (see Degras and Lanolin).
Yellow, loose lb. .07⅞- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .38 - —
6-10%, bbls., same basis lb. .39 - —
11-15%, bbls., same basis lb. .40 - —
16-20%, bbls., same basis lb. .40½- —
21-25%, bbls., same basis lb. .41½- —
26-30%, bbls., same basis lb. .41¾- —
31-35%, bbls., same basis lb. .41½- —
36-40%, bbls., same basis lb. .44½- —
41-45%, bbls., same basis lb. .46 - —
46-50%, bbls., same basis lb. .47¾- —
50% and over, bbls., same basis lb. .48¾- —
reduced color, 5%, bbls., same basis lb. .13 - —
6-10%, bbls., same basis lb. .13¾- —
11-13%, bbls., same basis lb. .14¼- —
14-16%, bbls., same basis lb. .15 - —
17-19%, bbls., same basis lb. .15¼- —
20-21%, bbls., same basis lb. .15½- —
Green, chrome, reduced color, 22-23%, bbls., same basis lb. .15¾- —
24-25%, bbls., same basis lb. .16 - —
26-27%, bbls., same basis lb. .16½- —
28-29%, bbls., same basis lb. .17 - —
30-31%, bbls., same basis lb. .18 - —
32-33%, bbls., same basis lb. .19¼- —
34-35%, bbls., same basis lb. .20¼- —
36-40%, bbls., same basis lb. .23 - —
41-45%, bbls., same basis lb. .25¼- —
46-50%, bbls., same basis lb. .26¾- —
51-55%, bbls., same basis lb. .26½- —
56-60%, bbls., same basis lb. .27 - —
61-65%, bbls., same basis lb. .28 - —
66-70%, bbls., same basis lb. .29¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).

Green, malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.00
Tungstated, brilliant, kgs. lb. 3.00 - 4.00
Emerald, kgs lb. 2.60 - —
Verdigris (see V).
Grindelia robusta herb, bls. lb. .23 - .30
Guaiac resin, cs lb. .48 - .49
Wood, bls lb. .33 - .36
Guaiacol, cryst., NF, tins lb. No prices
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, NF, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 2.00 - 2.10
Gum, acceroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 - .93
Arabic, amber, sorts, bgs lb. .12½- .14
powdered, USP, bbls lb. .20½- .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .38 - .40
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .23 - .25
No. 2, bgs. lb. .19 - .21
No. 3, bgs. lb. .14 - .16
Manila, loba, B, bgs. lb. .26 - .28
C, bgs. lb. .24 - .26
CBB, bgs. lb. .19 - .21
CNE, bgs. lb. .13½- .15
DBB, bgs. lb. .18 - .20
DK, bgs. lb. .13½- .15
dust, bgs. lb. .07½- .09
soft, MA, bgs. lb. .13½- .15
WS, bgs. lb. .20 - .21

CELANESE* $CH_3—C(=O)—OH$ ACETIC ACID

Celanese* Glacial Acetic Acid, with a purity greater than 99.5%, is now being made available to a much greater portion of American industry. The high quality of this chemical makes it ideally suited for applications in pharmaceuticals, textile treatment and in organic syntheses. This versatile acid is also used in the production of acetate esters for the varnish and lacquer industries.

Water Content	0.5% by weight, maximum
Freezing Point	15.6° C., minimum
Specific Gravity	1.050 to 1.055 @ 20/20° C.
Color	Water White
Formic Acid Content	0.2% by weight, maximum
Non-Volatile Matter	0.001% by weight, maximum
Iron Content	1.0 PPM by weight, maximum

A new brochure is available containing specifications and general information on many of the Celanese* Organic Chemicals. Write for your copy—and call Celanese whenever you need technical assistance regarding organics.

CELANESE CORPORATION OF AMERICA
Chemical Division
180 Madison Avenue, New York 16, N.Y.

CELANESE* FORMALDEHYDE

Formaldehyde, one of the most important products in the growing family of Celanese Organic Chemicals, is now offered in greater volume. This high quality, U.S.P. chemical is sold commercially as Formalin, a water white solution containing 40% formaldehyde by volume, 37% by weight. It is obtainable in both methanol inhibited and uninhibited grades.

Celanese* Chemicals

*Reg. U. S. Pat. Off.

ALCOHOLS • ALDEHYDES • GLYCOLS • KETONES • ACIDS • SOLVENTS • PLASTICIZERS • INTERMEDIATES

Gum, Copal, Philippine—Iron Sulphate

Gum, copal, Philippine, pale, chips, bgs lb. .18½- .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½- .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .35 - .38
Dammar, Batavia, A/D, bgs. lb. .28 - .30
A/E, bgs. lb. .23 - .24
dust, bgs lb. .08½- .09½
E, bgs. lb. .14 - .15
East India, batu, bold, bgs lb. .09¾- .11
nubs & chips, bgs. lb. .07½- .09
black, bold, bgs. lb. .12½- .13½
unscraped, bgs. lb. .09½- .10½
nubs & chips, bgs. lb. .09½- .10½
pale, chips, bgs. lb. .13 - .15
nubs, bgs. lb. .26 - .28
Singapore, No. 1, bgs lb. .30 - .32
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17 - 17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 - .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .88 - 1.00
Gamboge, pipe, cs lb. 1.20 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Gum, karaya, powd., No. 1 lb. .49 - .50
No. 2 lb. .41 - .45
No. 3 lb. .35 - .36
No. 4 lb. .32 - .33
No. 5 lb. .30 - .31
No. 6 lb. .28 - .31
Kauri, bgs lb. .31½- .32¼
Locust bean, powd., bgs lb. .35 - .37
Mastic, cs lb. 2.25 - 2.50
Myrrh, cs lb. .35 - .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb. .90 - .95
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.00 - 3.25
No. 2, cs lb. 2.40 - 2.65
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls lb. 1.35 - 1.45
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N. Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N. Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald ton.17.00 - —
Sweetwater, Tex., frt. equald ton.21.45 - —
Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald ton.10.50 - —
Harlem river, N. Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
New Brighton, N. Y., frt. equald ton.18.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., c.l., Acme Texas, frt. equald ton. 8.00 - —
Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Gypsum, stucco, paper bgs., Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

H

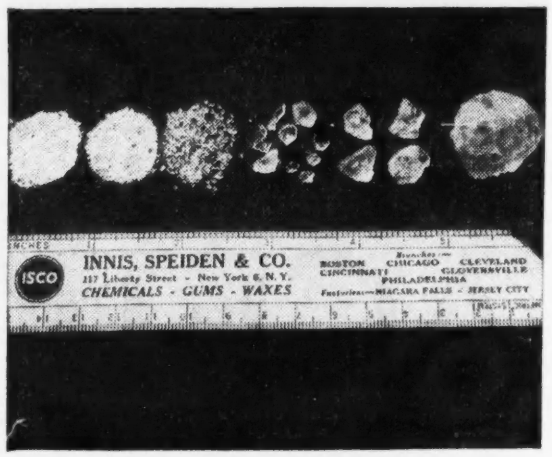
Hawthorn berries, bgs lb. .55 - .57
Heliotropin, cryst., cns lb. 2.85 - 3.05
Hellebore root, white, powd., bbls lb. .40 - .45
Helonias root, bls. lb. 1.75 - 1.80
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l. lb. .44½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l lb. .38½- —
No. 4, bbls., l.c.l lb. .36½- —
No. 5, bbls., l.c.l lb. .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No. 2, bbls., l.c.l lb. .18 - —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .40 - .75
Henna leaves, bls lb. .21 - .23
powd., bbls., bgs lb. .25 - .27
Heptane, industrial, Bayonne, N. J., tanks gal. .16 - —
group 3, tanks gal. .12½- .13¼
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .27½- —
smaller lots, same basis lb. .28½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexane, industrial, group 3, tanks, gal. .13½- .14½
Bayonne, N. J., tanks gal. .16 - —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works lb. .31 - —
tanks, works lb. .29 - —
Hexyleneglycol (see Methylpentanediol).
Hexylresorcinol, 100 lbs. up, frt. alld lb.19.00 - —
works lb.19.00 -27.75
smaller lots, frt. alld lb.20.00 -21.50
works lb.20.00 -33.50
Histidine hydrochloride—laevo, fib. dms., works, 50 kilos kilo.120.00 - —
1-5 kilos kilo.130.00 - —
Homatropine, hydrobromide, bots. oz.15.00 -25.00
Hydrochloride, bots oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.00 - —
Hops, NF, bls. lb. .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Sulphate, bots oz.53.50 -53.80
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19¼
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¼- —
Hydroquinone, bbls., dms lb. .90 - .94
Hydroxycitronellal, cns lb. 5.35 - 6.50
Hyoscine hydrobromide, bots oz.34.00 -38.00
Hyoscyamine, bots oz.18.00 -20.00
Hydrobromide, bots oz.18.00 -19.50
Sulphate, bots oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb. .52½- —
No. 2, bbls., l.c.l lb. .44½- —
liquid, No. 1, bbls., l.c.l. lb. .28½- —
No. 2, bbls., l.c.l lb. .23½- —
solid, No. 1, bxs., l.c.l. lb. .41 - —
Hyssop herb, bgs lb. .45 - .50
Leaves, bgs lb. .55 - .60

I

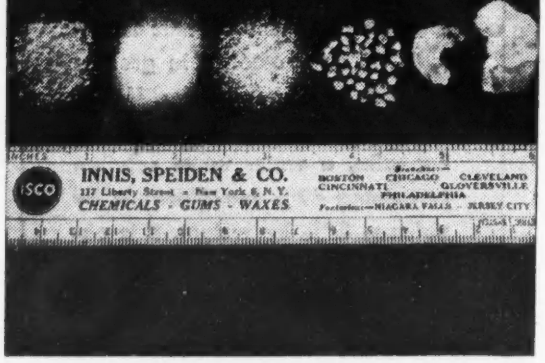
Iceland moss, bgs lb. .40 - .50
Ichthammol, NF, bots lb. 2.45 - —
powd., bbls lb. .74½- .85
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.80
synth., paste, bots lb. .16½- .19
Indol, CP, bots lb.17.60 -18.50
Inositol, tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse, Staten Island lb. 1.729 - —
resubl., bots., jars lb. 2.55 - 2.65
Iodoform, dms., kgs. lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.15 - 6.00
beta, cns lb. 7.05 - 8.60
Methyl (see M).
IPC, bots., 1-5 lbs lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 3.85 - 4.60
powd., bgs. lb. 4.25 - 4.90
Irish moss, bleached, prime, bls lb. .18 - .19
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
djns. lb. .17 - —
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., bbls., works 100 lbs. 5.50 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP X, lump, bbls lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld. or equald lb. .06 - .06½
Citrate, gran., dms lb. .77 - .79
Glycerophosphate, N.F., powd lb. 4.25 - 4.35
Hypophosphite, dms lb. 2.80 - —
Iodide, bots lb. 3.48 - 3.63
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- .21¾
Nitrate, red, tech., dms lb. .03½- .04
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .68
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .73
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .24 - —
Stearate, dms., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate (ferric), anhyd., bgs., c.l., works ton.52.50 - —
l.c.l., works ton.57.50 - —
partially hydrated, bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10

HOW CAN ISCO GUMS HELP YOU?

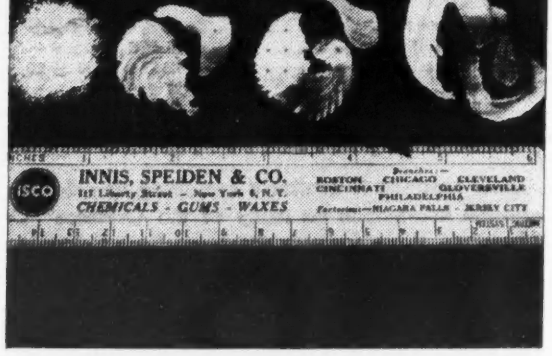
In the Chemical Industry



Gum Arabic—Innis, Speiden is famous for the quality of Isco Gum Arabic—the best known of all the Water Soluble Gums. This easy-to-use gum is shown above in the following grades: No. 1 U.S.P. White Powder; Coarse Powder; Special Grain; Fine Grain; Bold Grain; Cleaner Amber Sorts.



Gum Karaya—Our Jersey City Laboratories have observed the action of Karaya Solutions over an extended period of time. They have charted the increase and decrease of their viscosities. Every consignment tested to blend for uniform quality. Shown above are some of the forms—Dark Powder; No. 1 Powder; Fine Crystals; Coarse Crystals; Sorts.



Gum Tragacanth—Used to thicken solutions for medicinal purposes, to suspend powders in solutions, for pharmaceutical jellies, for hair dressings. Available in all grades from the highest type of Ribbon to the lowest form of siftings. Stocks of all grades on hand. Let us match any sample that has suited your needs. Let us send samples and prices for your product or process.

You'll like ISCOoperation!

Our Jersey City plant is devoted entirely to the milling and cleaning of gums, the refining of waxes. The Jersey City laboratories are available for solving special problems involving the use of Isco Gums and Waxes. If you have a wax or gum problem, let us show you how it can be solved. Write for our free gum booklet. Every step of the way, *you'll like ISCOoperation!*

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BOSTON · CINCINNATI · GLOVERSVILLE
CHICAGO · CLEVELAND · PHILADELPHIA

Iron by hydrogen, kgs	lb.	.80	.85
Iron-ammonium citrate, brown, green, gran., dms.	lb.	.55	.58
Oxalate, dms	lb.	.25½	.28½
Iron-potassium oxalate fine gran., dms.	lb.	.30½	.33½
Iron-sodium oxalate, fine gran., dms	lb.	.25½	.28½
Isobornyl acetate, cns	lb.	.97	1.10
Isobutyl acetate, cns	lb.	.82	1.25
Methacrylate, M-5, dms., works	lb.	.60	—
cns., works	lb.	.63	.67
P-5, cns., works	lb.	.60	—
Propionate, cns	lb.	No prices.	
Thiocyanocetate, dms., c.l., works	gal.	3.85	—
l.c.l., works	gal.	3.85	4.05
tanks, works	gal.	4.23	—
Isobutyraldehyde, dms., works	lb.	.33	.36
Isoeugenol, extra, cns	lb.	3.25	4.00
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works	lb.	28.00	35.00
Isopentane, dms., works	gb.	.45	.55
Isophorone, dms., c.l., works	lb.	.23½	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.22	—
Isopropanol (see Acohol, isopropyl).			
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies	lb.	.11½	—
l.c.l., same basis	lb.	.12	—
tanks, same basis	lb.	.10	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene).			
Ether (see Ether, isopropyl).			
Phenylcarbamate (see IPC).			
Isopropylamine, dms., works, c.l.	lb.	.24	—
l.c.l., works	lb.	.25	—

J

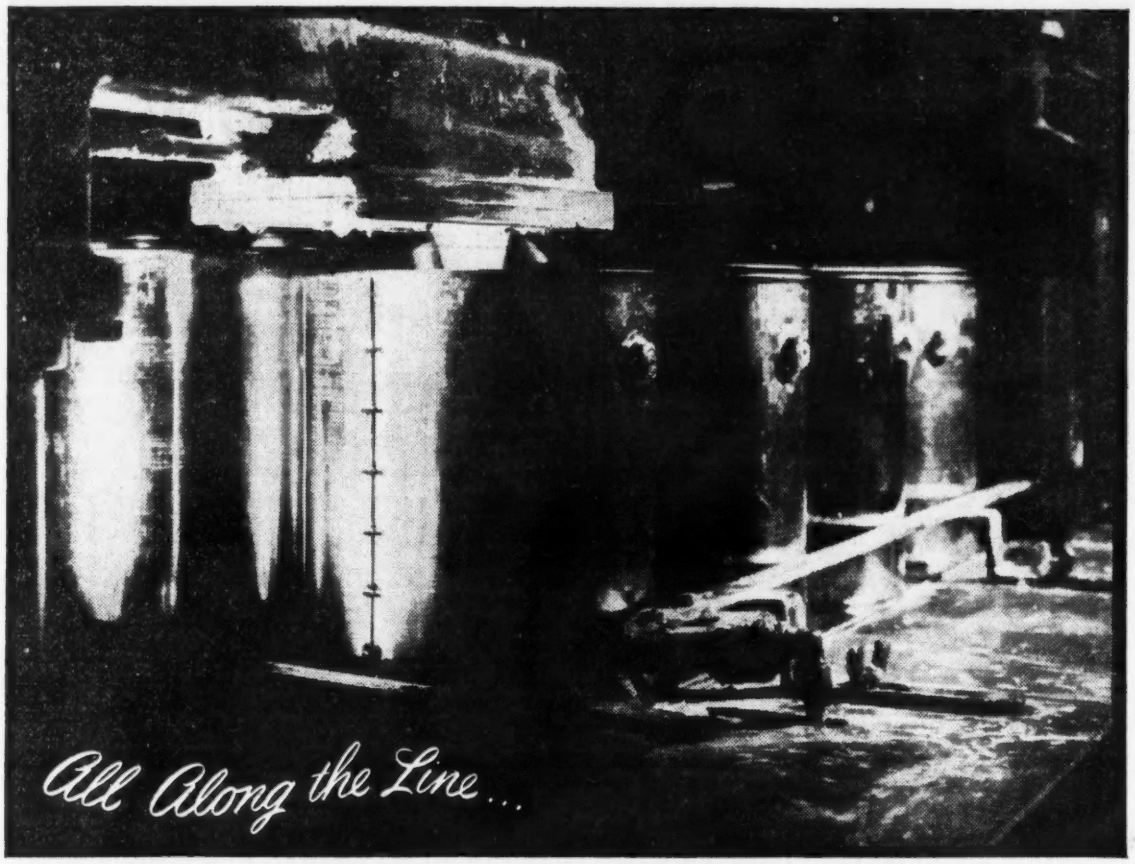
Jaborandi leaves, bls	lb.	.15	.20
Jalap root, NF, bls	lb.	.45	.50
powd., bbls., bxs	lb.	.50	.60
Resin, powd., bxs	lb.	7.15	7.25
Juniper berries, bgs.	lb.	.09	.18
Tar, USP, dms	lb.	.40	.65

K

Kamala, powd., cns	lb.	.45	.52
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.28	.31
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks	gal.	.09375	—
Bayonne, 41-43 s.g., w.w., tanks	gal.	.103	—
California, 40-43, s.g., w.w., tanks	gal.	.121	.156
Gulf ports, 41-43, s.g., w.w., tanks	gal.	.0925	.093
Okla.-Tex., 41-43, s.g., w.w., tanks	gal.	.08375	.095
Penn., 45, s.g., w.w., tanks	gal.	.1125	.125
47, s.g., w.w., tanks	gal.	.12	.125
Kola nuts, bgs	lb.	.10	.12
Kyanite, imp., low iron content, 10-mesh, whse	ton.	85.00	95.00
calcined, grain, 10-mesh, whse	ton.	95.00	105.00

L

Ladyslipper root, bls.	lb.	1.60	1.63
Lanolin, anhyd., cosmetic, dms., works	lb.	.22	.24
pharmaceutical, USP, dms., works	lb.	.20	.22
hydrous	lb.	.18	.20
Lard, cash, trcs., Chicago	lb.	.1380	.1400
Larkspur seed bgs	lb.	.35	.40
Laurel berries, bls	lb.	.25	.26
Leaves, Portuguese, bls.	lb.	.07½	.08
Greek, bls	lb.	.07	.07½
Turkish, bls	lb.	.12	.12½
Lavender flowers, medium, bls.	lb.	.65	.66
ordinary, bls	lb.	.20	.21
select, bls	lb.	.70	.75
Lead acetate, white, crystals, obls.,	lb.	.27	—
gran., bbls.	lb.	.27¾	—
powd., bbls.	lb.	.27¾	—
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l.	lb.	.31½	—
l.c.l.	lb.	.32½	—
1-lb. bgs., c.l.	lb.	.39½	—
l.c.l.	lb.	.40	—
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.			
Blue basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.20¼	—
l.c.l., works	lb.	.21¼	—
Carbonate (see Lead, white).			
Chloride, fib. dms	lb.	.49	—
Iodide, NF V, jars	lb.	2.94	3.13
Linoleate, liq., 15% Pb, dms., frt. alld.	lb.	.39	—
Metal, pigs, prime, N. Y.	lb.	.21½	—
E. St. Louis	lb.	.2130	.2135
Metallic paste, dms., 10,000-40,000 lbs., works	lb.	.27½	—
2,000-10,000 lbs., same basis	lb.	.28½	—
1 to 2,000 lbs., same basis	lb.	.30	—
Naphthenate, liquid, 16% Pb, dms., frt. alld.	lb.	.16¾	.17¼
24% Pb, dms., frt. alld	lb.	.23½	.24
30% Pb, dms., frt. alld.	lb.	.28½	.29
Nitrate, bbls., c.l.	lb.	.23	—
l.c.l.	lb.	.23½	—
Oleate, bbls	lb.	.33	—
Peroxide, powd., tech., bbls.	lb.	.41	.43
Red, 95% Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld.	lb.	.24½	—
l.c.l., same basis	lb.	.25¼	—
97% Pb_3O_4, bbls., c.l., same basis.	lb.	.24½	—
l.c.l., same basis	lb.	.25½	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.24¾	—
l.c.l., same basis	lb.	.25¾	—
Resinate, precip., dms., frt. alld.	lb.	.27½	—
Silicate, bgs., l.c.l., shipt. point, frt. alld.	lb.	.2270	.2330
Stearate, bbls., c.l.	lb.	.40	—
ton lots	lb.	.41	—
less ton lots	lb.	.42	—
Sulphate (see Lead, blue; Lead, white, basic sulphate).			
Tallate, liquid, 16% Pb, dms.	lb.	.14¾	.15¼
solid, 30% Pb, dms.	lb.	.23½	.24
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.2210	—
l.c.l., same basis	lb.	.2310	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.1925	.2535
l.c.l., same basis	lb.	.1975	.2635
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.20¼	—
l.c.l., same basis	lb.	.21¼	—
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works	lb.	.16	—
l.c.l., same basis	lb.	.18½	—
unbleached, c.l., same basis	lb.	.15	—
l.c.l., same basis	lb.	.17½	—
Lemon peel, bls	lb.	.25	.30
Leucine, dextro-laevo, dms., works	lb.	28.00	35.00
Licorice extract, mass, ens	lb.	.25	.30
powd., bbls.	lb.	.40	.42
Root, bls	lb.	.08	.09
5-lb. bundles, cs.	lb.	.40	.45
powd., bbls	lb.	.11	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.04¾	—
Lime, agricultural, bgs., works	ton.	13.00	13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass	ton.	9.00	—
Annville, Pa	ton.	10.00	—
Bellefonte, Pa	ton.	10.00	—
Buffalo, N. Y.	ton.	10.00	—
Carey, Ohio	ton.	7.00	—
Cedar Hallow, Pa.	ton.	9.50	—
Farnams, Mass.	ton.	9.00	—
Gibsonburg, Ohio	ton.	8.50	—
Hannibal, Mo.	ton.	6.50	—
Keystone, Ala	ton.	9.75	—
Knoxville, Tenn	ton.	9.75	—
Limedale, Ark	ton.	9.00	—
Longview, Ala	ton.	9.75	—
Martinsburg, W. Va	ton.	10.00	—
Menominee, Mich	ton.	8.00	—
Mitchell, Ind	ton.	7.50	—
Rockland, Maine	ton.	9.00	—
Scioto, Ohio	ton.	6.50	—
Sherwood, Tenn	ton.	10.00	—
Sherwood, Wis.	ton.	8.50	—
Woodville, Ohio	ton.	9.50	—
York, Pa.	ton.	10.00	—
Hydrated, paper bgs., Adams, Mass.	ton.	11.50	—
Annville, Pa	ton.	13.50	—
Bellefonte, Pa	ton.	13.50	—
Buffalo, N. Y.	ton.	13.50	—
Carey, Ohio	ton.	9.00	—
Cedar Hollow, Pa.	ton.	11.50	—
Engle, W. Va	ton.	13.00	—
Farnams, Mass.	ton.	11.50	—
Lime, hydrated, Gibsonburg, Ohio	ton.	9.50	—
Hannibal, Mo	ton.	9.50	—
Keystone, Ala	ton.	13.00	—
Knoxville, Tenn	ton.	12.25	—
Limedale, Ark	ton.	10.50	—
Longview, Ala	ton.	13.00	—
Manistique, Mich.	ton.	9.50	—
Marblehead, Ohio.	ton.	10.50	—
Mitchell, Ind	ton.	10.00	—
Petoskey, Mich.	ton.	10.00	—
Port Island, Mich.	ton.	9.00	—
Rapid City, S. Dak.	ton.	12.00	—
Rockland, Maine	ton.	9.00	—
Scioto, Ohio	ton.	8.00	—
Sherwood, Tenn	ton.	13.00	—
Sherwood, Wis.	ton.	10.00	—
Springfield, Mo.	ton.	9.00	—
Woodyville, Ohio	ton.	8.50	—
York, Pa	ton.	13.50	—
Spray, paper bgs., Adams, Mass.	ton.	11.70	—
Annville, Pa	ton.	13.50	—
Bellefonte, Pa	ton.	13.50	—
Carey, Ohio	ton.	11.00	—
Engle, W. Va	ton.	13.00	—
Farnams, Mass.	ton.	9.50	—
Gibsonburg, Ohio	ton.	10.00	—
Marblehead, Ohio	ton.	10.00	—
Rockland, Me.	ton.	10.00	—
Scioto, Ohio	ton.	10.00	—
Woodville, Ohio	ton.	10.00	—
York, Pa	ton.	13.50	—
Lime salts (see Calcium).			
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).			
Limestone, grd., bgs., works	ton.	3.50	4.00
Linalool, ex bois de rose	lb.	4.50	6.85
ex lignaloe wood	lb.	6.50	7.00
Linalyl acetate, ex bois de rose, bots.	lb.	4.35	7.20
ex lignaloe wood, bots	lb.	8.25	8.40
ex petitgrain, bots	lb.	5.10	6.35
Linden flowers with leaves, bls	lb.	.25	.27
without leaves, bls.	lb.	.24	.26
Linseed meal, 34% bulk, Midwest mills	ton.	69.50	70.00
Litharge com'l, powd., bbls., c.l. ship't point, frt. alld	lb.	.23¼	—
l.c.l., same basis	lb.	.24¼	—
Lithium bromide, bbls., works, frt. equald	lb.	1.90	—
Carbonate, NF, bbls., kgs	lb.	1.10	1.15
Chloride, dms	lb.	1.15	1.55
Citrate, bbls., dms., kgs	lb.	1.30	1.43
Fluoride, bbls.	lb.	1.95	—
Hydroxide, dms.	lb.	1.15	1.25
Lithopone, ordinary, bgs., c.l., ship't point	lb.	.06¾	—
l.c.l., same basis	lb.	.06¾	.06¼
Titanated (high-strength), bgs., c.l.	lb.	.08¼	—
smaller lots	lb.	.08½	—
Lithopone prices, Pacific Coast, ¾c. per lb higher.			
Liverwort leaves, bls.	lb.	.85	.90
Lobelia herb, bls	lb.	.65	.70
leaves N.F.	lb.	.95	—
Lobeline sulphate, bots., works	oz.	25.50	38.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.38½	—
No. 2, bbls., l.c.l.,	lb.	.36½	—
liquid, No. 1, bbls., l.c.l.	lb.	.18½	—
No. 2, bbls., l.c.l.	lb.	.17¼	—
No. 3, bbls., l.c.l.	lb.	.17	—
No. 4, bbls., l.c.l.	lb.	.16½	—



...White Lead adds MORE of the Properties that Make Good Paint

White Lead fills the bill 14 ways in helping you make good paint.

All along the line... from mixing and grinding to weather resistance... this one pigment offers 14 important paint-making properties. And these properties are imparted to paint in *well-balanced proportion.*

Many of White Lead's paint-making qualities grow out of this pigment's ability to form lead "soaps"... as explained at right.

Let us help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Our technical staff will offer recommendations backed by more than 30 years of continuous paint-fence studies... the longest project of its kind on record.

1. Mixing and Grinding Ease
2. Package Stability
3. Hiding
4. Brushability
5. Leveling
6. Drying Action
7. Whiteness
8. Fool-Proofness
9. Film Strength
10. Flexibility
11. Tint Retention
12. Adhesion
13. Gloss
14. Weather Resistance

How Lead "Soaps" Improve Paint

White Lead combines with oil to produce a distinctive type of "soap" formation, having a fibrous structure. The photomicrograph shows how multiple projections radiate from each central core.

As the soaps grow, these projections intermesh and the paint film is mechanically reinforced... given greater toughness, elasticity, adhesion, and weather resistance.

White Lead's tendency to combine with linseed oil also explains the ready wetting of this pigment and consequent mixing and grinding ease.

Dutch Boy Basic Carbonate White Leads
Reg. U.S. Pat. Off.

NATIONAL LEAD COMPANY—New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 12; St. Louis 1; San Francisco 10; Boston 6. (National Lead Co. of Mass.); Philadelphia 7. (John T. Lewis & Bros. Co.).

Logwood Extract, Solid—Methylethyl Ketone

Logwood, extract, solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49½
Lovage root, imp., bis lb. 1.20 Nom.
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.90 - 2.50
Lysine hydrochloride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls lb. .83 - .85
Banda No. 1, bls. lb. 1.08 - 1.10
Siauw, No. 1, bls lb. .90 - .95
West Indian, bls lb. .90 - .92
broken, bls lb. .75 - .80
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, dms lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
Magnesium carbonate, USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.
Chloride, anhyd., bbls., works lb. .12¼- —
flake, bbls., c.l., works ton. 40.00 - —
l.c.l., works ton. 44.00 -46.00
Glycerophosphate, dms., works lb. 4.85 - —
Hydroxide, medicinal, bbls., dms., kgs. lb. .29 - .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs lb. .34 - .38
Oleate, precip., bbls lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .09¼
Stearate, ctns., 2,000 lbs. to c.l. lb. .40 - —
smaller lots lb. .41 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton. 60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash. ton. 27.00 - —
Maleic anhydride, dms., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Malva flowers, black, bls lb. 1.50 - 1.75
Blue, bls. lb. 1.00 - 1.25
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .48 - .52
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb. .24 - —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
burlap bgs., c.l., works ton. 71.75 - —
l.c.l., works ton. 74.75 -79.79
paper bgs., c.l., works ton. 70.00 - —
l.c.l., works ton. 73.00 - —
85-90%, bbls., c.l., works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
Glycerophosphate, fib. dms lb. 4.15 - 4.25
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Iodide, jars lb. 5.55 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld. lb. .22¾- .23¼
Oleate, fused, bbls lb. .44¾- —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms. lb. .22½- —
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ton. 60.00 - —
l.c.l., dlvd. S. E. ton. 67.00 - —
feed grade, 80%, bgs lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E. ton. 68.50 - —
l.c.l., same basis ton. 75.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 72.00 Nom.
Manna, flake, large, cs. lb. 1.40 - 1.50
small, cs. lb. 1.00 - 1.10
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls lb. .14 Nom.
Chilean, bls. lb. .18 - .18½
French, bls lb. .32 - .33
Matico leaves, bls lb. .25 - .28
Menadione, USP, bots., works gram. .10 - —
Menthol, natural, USP, Brazilian lb. 8.75 - 9.00
synthetic, tech., cns lb. 6.00 - 6.40
USP, laevo, cns lb. 8.90 - 9.95
Menthyl salicylate, tins lb. 4.25 4.25
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, cryst., powd lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.32 - —
Yellow, NF, fib. dms lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 - —
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - .80
l.c.l. lb. .56 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metanitroparatoluidin, bbls lb. 1.28 - 1.33
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .77 - —
Methanol, natural, dms., c.l., frt. alld gal. .74 - .80
l.c.l., frt. alld gal. .77 - .85
tanks, frt. alld gal. .66 - .70
Prices on natural methanol W. of Miss 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .40 - —
l.c.l., frt. alld gal. .43 - —
tanks, frt. alld gal. .28 - —
eastern production, zone 2, dms., l.c.l., frt. alld gal. .47 - —
l.c.l., ex whse gal. .49½- —
tanks, frt. alld gal. .33 - —
Synthetic methanol Zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld gal. .37½- —
tanks, frt. alld gal. .27 - —
West of Rockies, dms., c.l., frt. alld gal. .45 - —
tanks, frt. alld gal. .33 - —
Methionine, dextro-laevo, fib. dms., works, 1,000-lb. lots lb. 7.40 - —
50 to 999-lb. lots, works lb. 7.55 - 8.50
1 to 49-lb. lots, works lb. 9.00 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17½- —
l.c.l., same basis lb. .18 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¾- —
l.c.l., same basis lb. .18¼- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb. .08½- —
Acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis lb .50 - —
tanks, works lb. .48 - —
Methyl acetoacetate prices frt. alld. W., 1c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .59 - 60
l.c.l., same basis gal. .57 - 67
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .59 - 60
synthetic, dms., c.l., works, frt. alld. E gal. .61½- —
frt. alld. W gal. .64 - —
l.c.l., works, frt. alld. E gal. .65 - —
frt. alld. W gal. .66½- —
tanks, works, frt. alld. E gal. .52 - —
frt. alld. W gal. .55½- —
Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns. lb. .50 - .52
cyls. lb. .46 - .59
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½- —
refrigerator mfrs., cyls., dlvd lb. .34 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns lb. 1.48 - 1.65
Formate, dms. lb. .89 - —
Heptin carbonate, bots. lb. 36.00 -38.00
Iodide, bots., cbys lb. 4.33 - 4.52
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - .58
cns, works lb. .48 - —
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, bots., cntrs. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Salicylate, dms., 500 lbs lb. .40 - —
25-50 lbs. lb. .45 - —
Methylal, refined, 95%, dms., c.l. lb. .05 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —
Methylamyl ketone, dms., works lb. 70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. 75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. 68 - 73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 - 3.23
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methylethyl ketone, dms., dlvd lb. .11½- —
l.c.l., dlvd lb. 12 - —
tanks, dlvd lb. 10 - —

TEPCO
FINE CHEMICALS FOR INDUSTRY
SODIUM BENZOATE
U. S. P.
Fine-flaked and free from cloudiness in solution.
NATURAL WOOD METHANOL
Denaturing and anti-freeze grades.
Tennessee Products & Chemical Corporation
General Office: NASHVILLE, TENNESSEE
Eastern Sales Office: 350 Fifth Avenue, New York 1, N. Y.

Petrolite

EMULSIFIABLE *Crown Quality* WAXES

Petrolite EMULSIFIABLE WAXES possess the hardness, high melting points and glossiness common to all the Petrolite Micro-crystalline waxes. They are processed petroleum derivatives with appreciable acid and saponification values. They form stable, translucent emulsions when combined with the common emulsifying agents.

We at Petrolite believe that Crown Quality 23 and 36 are the best emulsifiable waxes available today. We invite you to make comparisons and prove this to your own satisfaction. Complete information, samples and technical formulation assistance is yours for the asking.

Note these specifications...Compare them with those of any other emulsifiable wax!

CROWN QUALITY NUMBER	MELTING POINT °F	PENETRATION WITH 100 GRAMS	COLOR N.P.A.	ACID NUMBER	SAPONIFICATION NUMBER
23	180/185	6 Maximum	4½ to 6	20 to 25	55 to 65
36	180/185	8 Maximum	5½ to 8	30 to 35	85 to 95

Petrolite Emulsifiable Waxes are ideally suited for use in "self-polishing" floor dressings. Many no-rubbing waxes now produced commercially using these waxes show distinct advantages in long wear, high gloss, self healing properties and high resistance to water spotting.

Petrolite Emulsifiable Waxes are generally compatible with all the common ingredients in emulsion polishes: Carnauba, Candelilla and Ouricuri waxes, and numerous resins. Complete technical assistance is available to customers on special blending problems.

QUANTITY SHIPMENTS IMMEDIATELY AVAILABLE

PETROLITE *Crown Quality* WAX

PETROLITE CORPORATION, LTD • WAX DIVISION

30 Broad St., New York 4 REFINERY: Box 390, Kilgore, Texas

PWL-49-1

Methylhexyl Ketone—Oil, Castor

Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd lb. .12½- —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .16½- —
l.c.l., works, dlvd lb. .17 - —
tanks, works, dlvd lb. .15 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½- —
roofing, 20 to 80 mesh, works lb. .03½- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder, skimmed roller, bbls., c.l lb. .10 - .14¼
spray, bbls., c.l lb. .11 - .15½
Whole, roller, bbls., c.l lb. .29½- .38½
spray, bbls., c.l lb. .30½- .39¼
Sugar, edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
USP, bbls., works, 3,000-lb. lots. lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .07½- .12½
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald lb. .06½- .08
l.c.l., works lb. .07 - .09
smaller containers, works lb. .09 - .12
tanks, works, frt. equald lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100% lb. .34½- .41½
25%-40%, dms., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - —
tanks, same basis lb. .31 - —
Monomethylanilin, dms., works lb. .70 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, cns. oz. 9.90 - —
Sulphate, cns. oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs lb. .75 - .76
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz. 25.00 -30.00
synthetic, ambrette, cns., 5-lb lb. 5.65 - 5.75
Ketone, cns., 100 lbs. or more lb. 4.60 - 4.95
25 lbs lb. 4.70 - 5.05
5 lbs lb. 4.60 - 5.45
Xylol, cns lb. 1.60 - 1.80
25 lbs lb. 1.70 - 1.90
5 lbs. lb. 1.75 - 2.00
Musk root, bls lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Dutch, yellow, bgs lb. .15 - .15¼
English, yellow, bgs lb. .14½- .15
Montana, brown, bgs., source lb. .06½- .07
Oriental, bgs., source lb. .05¾- .06
yellow, bgs., source lb. .11½- .12
Washington, yellow, bgs lb. .17 Nom.
Myrobalans, J1, assorted, ex dock. ton. 60.00 - —
J2, ex dock ton. 50.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., wks., frt. equald lb. No prices.
tanks, same basis lb. .06¼- .07¼
78°, bgs., c.l., wks., frt. equald. lb. .07 - —
l.c.l., same basis lb. .07¼- —
bbls., c.l., same basis lb. .071 - .08
l.c.l., same basis lb. .073- .085
dms., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - .073
refined, industrial, bbls., c.l., frt. equald lb. .12 - —
bgs., c.l., same basis lb. .11½- —
tanks, same basis lb. .11 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis. lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns lb. 1.70 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .50 - —
Carbonate, bbls., dlvd lb. .48 - .50
Chloride, bbls., dlvd lb. .23 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb. .43½- —
Metal, electro cathodes, cs lb. .40 - —
Nitrate, bbls., works lb. .24½- .25¼
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .18 - —
l.c.l., dlvd lb. .18½- —
Nicotinamide, USP, dms., works kilo. 11.00 -11.30
Hydrochloride, dms., works kilo. 10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm. 53.65 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin. 11.60 - —
Nikethamide, bots., cbys lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, drbl. dist., dms., c.l lb. .09 - .09¼
l.c.l. lb. .10 - .11
tanks lb. .08 - .08¼
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., bbls., c.l., same basis. lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis lb. .33 - —
l.c.l., same basis lb. .34 - .36
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb. .30 - —
Nitrogen solution, tanks, works, N ton. 120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit ton. 4.15 + .40
Nitromethane, dms., l.c.l., works lb. .30 - —
Nitropropane, 1, dms., works lb. .30 - —
2, dms., works lb. .30 - —
Nutgalls, Aleppo, bgs lb. .50 - —
Chinese, bgs. lb. .40 - —
Istrian, bgs lb. .29 - —
Nutmeg, East Indian, bgs lb. .45 - .46
West Indian, bgs lb. .37 - .38
futures lb. .36 - .37
Nux vomica, bls lb. .08 - .09
powdered, bbls., bxs lb. .11 - .12

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l gal. .19 - —
l.c.l. gal. .21 - .40
tanks gal. .15½- —
10° C, Bayonne, N. J., tanks gal. .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, abies siberica, cns lb. 2.65 - 3.10
Almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots lb. 4.45 - 5.00
NF, bots lb. 4.80 - —
Sweet, dms., cns lb. .95 - 1.00
Angelica root, bots lb. 120.00 -250.00
Seed, bots lb. 80.00 -200.00
Anilin (see A).
Anise, USP, Chinese, dms lb. .80 - 1.00
Russian, cns lb. 3.25 - 3.75
Apricot kernel, cns., dms lb. .50 - .56
Avocado, cns., dms lb. 1.00 - 1.10
Babassu, tanks lb. .16¼- —
Bay, NF, Puerto Rican, 50-55% cns lb. 1.20 - 2.25
55-60%, cns lb. 1.20 - 2.35
60-65%, cns lb. 2.50 - —
West Indian, 50-55%, cns lb. 1.20 - 1.65
Bergamot, artif., cns lb. 2.50 - 4.25
natural, Italian, cns. lb. 3.75 - 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns lb. .95 - 1.76
rectified, cns. lb. 4.25 - —
Bois de rose, Brazil, cns lb. 2.90 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms. lb. 1.75 - 2.00
redistelled, USP, cns lb. 2.20 - 4.50
Calamus, cns lb. 20.00 -28.00
Camphor, natural, white, cns lb. .33 - .43
synthetic, dms lb. .15 - .35
Canangа, native, cns lb. 2.15 - 3.00
rectified, cns lb. 3.85 - 4.10
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb. 5.00 - 6.50
Cardamom, NF, bots lb. 35.00 -36.00
Cassia, USP, cns lb. 1.90 - 2.20
Castor, blown, ret. dms., c.l lb. .23 - —
cold-pressed, USP, ret. dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —

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THAT SMELLS BETTER . . . SELLS BETTER
RUBBER
THAT SMELLS BETTER . . . SELLS BETTER
LEATHER
THAT SMELLS BETTER . . . SELLS BETTER
SOLVENTS
THAT SMELL BETTER . . . SELL BETTER
TEXTILES
THAT SMELL BETTER . . . SELL BETTER

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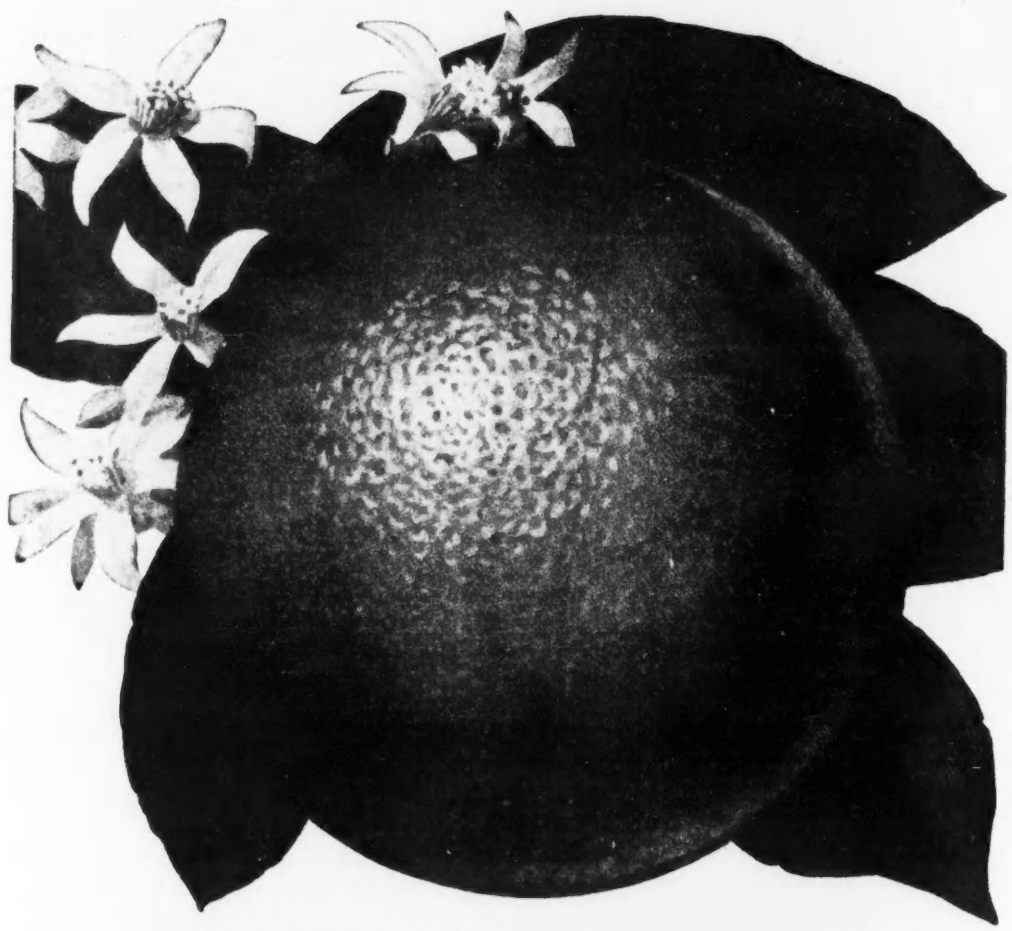
Oil, castor, dehydrated, bodied, dms., c.l. lb. .24½- —
l.c.l. lb. .25¼- —
tanks lb. .23½- —
unbodied, dms., c.l. lb. .23½- —
l.c.l. lb. .24¼- —
tanks lb. .22½- —
hydrogenated, dms., c.l., works, lb. .30 - —
l.c.l., same basis lb. .31 - —
No. 3, tech., ret. dms., c.l. lb. .20½- —
l.c.l. lb. .21¼- —
tanks lb. .19½- —
sulphonated, 50% (48% fat), dms. lb. .13 - .13½
75% (60-62% fat), dms. lb. .18 - .18¼
Cedarleaf, USP, cns., dms. lb. 1.95 - 2.85
Cedarwood, cns. lb. .45 - .95
dms. lb. .40 - .85
Celeryseed, bots lb. 14.00 -16.50
Chaulmoogra, NF, cns., dms. lb. .56 —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb 33.00 -73.00
Leaf, Ceylon lb. 1.50 - 1.75
Seychelle lb. 1.20 - —
Citronella, Ceylon, cns lb. .72 - .96
Java, cns lb. 1.25 - 1.45
Clove, USP, from Madagascar buds, cns., dms lb. 1.15 - 1.40
from Zanzibar buds, cns. lb. 1.45 - 1.60
Coconut, crude, tanks, Atlantic ports lb. .13 - —
Pac. coast lb. .13¼- —
refined, Cochin type, tax incl., dms., c.l lb. .21½- —
deodorized, tax incl., dms., l.c.l lb. .24 - —
Cod, Newfoundland, dms lb. .20 - .22
Codliver, USP, dms gal. 2.40 - 2.45
Coriander, bots lb. 31.00 -40.00
Corn, crude, tanks, works lb. .14½- —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, tanks, mills lb. .18 - .18¼
dms. lb. .21 - —
Costus, bots oz. 45.00 - —
Cottonseed, crude, tanks, works lb. .13¾- —
foots, acid 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, dms lb. .20½- —
tankcars lb. .18¼- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 7.00 -10.00
Cumin, bots lb. 6.25 -11.50
Cypress, bots lb. 11.00 -15.00
Degras (see D).
Dillseed, bots lb. 9.00 - 9.50
Dillweed, bots lb. 8.50 - 9.25
Dip (see D).
Erigeron, cns lb. 5.00 - 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .80 - 1.45
70-80%, cns. lb. .69 - 1.30
Fennel, sweet, cns. lb. 3.05 - 4.50
Fir, Canada, cns lb. 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units. .26½- —
20,000 to 80,000 A units, dms 1,000,000 units. .29 - .34
pharmaceutical, 50,000 to 125,000 A units, dms., 1,000,000 units. .35 - .41
pharmaceutical or food, 200,000 A units, dms 1,000,000 units .45 - .48
concentrate, 100,000 A units, dms 1,000,000 units. .40 - .48
200,000 A units, dms. 1,000,000 units. .45 - .48
500,000 A units, dms. 1,000,000 units. .53 - —
1,000,000 A units, dms 1,000,000 units. .55 - —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz. 9.25 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb. 9.50 -11.50
Bourbon, cns. lb. 8.25 -15.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb. 7.50 -13.00
Grapefruit lb. .85 - 2.60
Grease, No. 1, dms lb. .14½- .15
extra, winter, strained, dms lb. .16 - .16½
prime, burning, dms lb. .17 - .17⅛
Guaiacwood, cns lb. 2.05 - 4.15
Hemlock, cns. lb. 1.95 - 2.75
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.75 - 4.00
twice rectified lb. 5.50 - 6.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 - 2.00
Lard (see Oil, grease).
Laurel, bots lb. 9.75 -12.25
Lavandin, cns. lb. 1.40 - 3.75
Lavender flower, French, 38-42% ester, cns lb. 3.50 - 4.35
30-32% ester, cns. lb. 2.50 - 3.10
Spike, Spanish, pure, cns lb. 1.00 - 2.25
tech., cns. lb. 1.00 - 2.75
Lemon, natural, USP, Calif., cns. lb. 2.90 - 3.00
Messina lb. 3.25 - 3.75
terpeneless, bots lb. 32.00 -53.00
Lemongrass, cns., dms lb. 1.65 - 1.90
Lignaloe seed, Mexican, cns lb. 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 - 5.20
Lime, distilled, Mexican, cns lb. 4.25 - 5.00
West Indian, cns lb. 4.50 - 6.00
expressed, West Indian, cns lb. 6.75 -11.25
terpeneless, bot lb. 35.00 -53.00
Linseed, raw, dms., c.l lb. .2880- —
l.c.l. lb. .2940- .2980
tankcars lb. .2760- —
tankwagon lb. .2790- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 - —
Penna., W, cylinder, 600-680 flash, tanks gal. .33 - .36
600-650 steam refd., tanks. gal. .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks gal. .37 - .39
200 vis., 25 pour, tanks. gal. .39 - .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks. gal. .11 - .18
red, 200 vis., 4-6½ pour, tanks gal. .11 - .12⅛
Mace, dist., cns., dms lb. 4.65 - 6.75
Mandarin, Brazilian, cns lb. 4.25 - 8.40
Italian, cns lb. 8.75 - 8.90
Menhaden, crude, tanks, Balto lb. .12 Nom.
refined, alkali, dms lb. .1820- .1860
kettle-bodied, dms lb. .1970- .2010
light-pressed, dms lb. .1720- .1760
tanks lb. .16 - —
Mineral, white (see Oil, white, mineral),
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns. lb. 1.40 - 1.60
Seed, expressed, dms lb. .23 - .23⅛
Neatsfoot, 15°, dms lb. .41 - —
20°, dms lb. .40 - —
30°, dms lb. .38 - —
Neroli, French, bots lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Niaouli, cns lb. 2.85 - 3.25
Nutmeg, dist., cns lb. 4.65 - 8.75
Ocotea cymbarum, dms lb. .48 - .55
Oiticica, liquid, dms., c.l lb. .16¾ Nom.
l.c.l. lb. .17 - —
tanks lb. .16¾- —
Oleo, extra, tres lb. .15 - .16
Olibanum, bots lb. 4.50 - 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms. gal. 3.25 - 3.35
edible, Calif., dms. gal. 4.00 Nom.
Spanish, dms., duty paid gal. 4.45 - 4.75
Moroccan, dms. same basis. gal. 4.10 4.25
foots, dms lb. .25 Nom.
sulphonated, 50% (40% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l lb. No stocks.
l.c.l. lb. No stocks.
Orange, sweet, natural, dist., cns., lb. .75 - 1.00
expressed, USP Brazilian, cns lb. 1.25 - 1.95
Calif., cns lb. 1.25 - 1.75
Florida, cns., dms lb. .72 - .80
Messina, coppers lb. 3.50 - 5.50
West Indian, cns lb. 2.25 - 3.75
sesquiterpeneless, bots lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 - 3.50
Palm, Congo, dms lb. .21½- .22
tankcars lb. .20 - —
Palmarosa, cns lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f. NY lb. No prices.
Paraffin, pale 100-110 vis. at 100° F. tanks, works gal. .10 - —
Patchouli, dms. lb. 6.00 -18.00
Peanut, crude, tanks, works lb. .17 - —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, tanks, dlvd. E lb. .21 - —
drums lb. .23 - —
Pennyroyal, USP, dom., dms., cns lb. No stocks.
imported, cns. lb. 2.30 - 2.55
Peppermint, natural, dms lb. 6.90 7.95
redist., USP, dms lb. 7.15 - 8.30
Perilla, crude, dms lb. No stocks.
Petitgrain, Paraguay, cns lb. 2.75 - 4.30
Pimento berry, dms lb. 4.25 - 6.50
leaf, cns. lb. 1.50 - 3.25
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - .69
l.c.l., works, South gal. .61 - .70
dms., incl., c.l., works, South lb. .07½- —
l.c.l., works, South lb. .08 - —
ex whse., N. Y. C gal. .70 - —
ex whse., N. Y. C lb. .09½- —
tanks, works, South gal. .60 - —
tanks, works, South lb. .062 - —
steam-dist., dms., ex whse., East lb. .095 - —
non-ret. dms., incl., l.c.l., ex whse., N. Y. C gal. .66 - —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .24 Nom.
Red, single dist., dms lb. .16¾- .17¾
tanks lb. .15½- —
saponified, dms lb. .16½- .17
double dist., dms lb. .19¼- .20¼
tanks lb. .18 - —
Rose, natural, coppers oz. 16.00 -40.50
Rosemary, Spanish, tech., cns., dms lb. .75 - 1.50
USP, cns., dms lb. 1.00 - 1.60
Rosin, first rectified, dms gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms gal. .78 - —
Rue, bots lb. 3.25 - 5.00
Sage, clary, bots. lb. 14.50 -16.00
Dalmatian, cns. lb. 2.80 - 3.10
Spanish, cns. lb. 1.70 - 3.50
Sandalwood, NF, cns lb. 13.75 -16.60
Sardine, crude, tanks, Pac. coast. lb. .11 - —
refined, alkali, dms lb. .1820- .1860
kettle-bodied, dms lb. .1970- .2010
light-pressed, dms lb. .1720- .1760
tanks lb. 16 - —
Sassafras, artificial lb. .45 - .53
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms. lb. 1.80 - 2.30
Savin, cns lb. 3.00 - 3.25
Savory, cns lb. 2.00 - —
Seal, No. 1, tanks, U S. ports lb. No prices.
Sesame, tanks lb. No prices.
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns lb. 18.75 -19.75



THE WORLD'S FINEST ORANGE OIL

Made exclusively from oranges from the Sunkist Groves of California.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil.

Give it all your tests for *quality, uniformity* and *strength*. Then you'll buy Exchange Brand.

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Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.
Producing Plant
The Exchange Orange Products Co., Ontario, Calif.

Exchange
OIL OF
ORANGE
U. S. P.

Oil, Soybean—Pareira Brava Root

Oil, soybean, crude, tanks, mills lb. .12½- .12¾
foots, acid, 95%, tanks, dlvd. E. dlvd. East lb. .07¾ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, alkali, dms., c.l. lb. .1756- —
l.c.l. lb. .1830- .1870
tanks lb. .1636- —
clarified, dms., c.l. lb. .1636- —
l.c.l. lb. .1716- .1756
tanks lb. .1516- —
winterized, refined, tankcars, dlvd. East lb. .16¼- —
drums lb. .18½- —
Spearmint, dms lb. 4.35 - 4.65
Sperm, bleached winter 45° tankcars lb. .2120- —
drums lb. .2220- .2270
natural winter 45°, tankcars lb. .20 - —
drums lb. .21 - .21½
Spruce, cns., dms. lb. 1.95 - 2.75
Sunflower-seed, tmp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns. lb. 5.25 - 8.00
Southern, cns. lb. 1.95 - 3.25
Tall, crude, tanks, works ton.40.00 - —
refined, dms., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
tanks, works lb. .05¾- —
Tallow, acidless, dms lb. .12½- .13
Tansy, cns lb. 9.00 -14.00
Tar, pine, com'l, dms. incl., c.l., works, South gal. .41 - .43½
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¾
tanks, works, South gal. .32 - .34½
rectified, USP, t.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms lb. .23 - —

Oil, thyme, NF, red, cns lb. 2.15 - 3.35
white, cns. lb. 2.40 - 3.80
technical, white, cns. lb. .35 - 1.00
Tung, dms., c.l. lb. .22¼- —
l.c.l. lb. .22¾- —
tanks lb. .20¾- .21
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .30 - .53
Vetiver, Bourbon, cns lb.11.75 -45.00
Haitian lb.10.50 -20.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms gal.10.00 -13.50
White mineral, tech., 50 vis., nonret. dms., c.l., San Francisco gal. .51½- —
l.c.l., S.F. gal. .53½- .56½
50-65 vis., dms., c.l., N.Y. gal. .45 - —
l.c.l., N.Y. gal. .48 - .52
65-75 vis., dms., c.l., N.Y gal. .48 - —
l.c.l., N.Y. gal. .51 - .55
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .52 - —
l.c.l., N. Y. gal. .55 - .59
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
100 vis., non-ret. dms., c.l., S.F. gal. .59 - —
l.c.l., S. F. gal. .61 - .64
125-135 vis., dms., c.l., N. Y. gal. .64 - —
l.c.l., N. Y. gal. .67 - .71
145 vis., non-ret. dms., c.l., S.F. gal. .68 - —
l.c.l., S. F. gal. .70 - .76

Oil, white mineral, USP, 145-155 vis., dms., c.l., N.Y. gal. .66 - —
l.c.l., N. Y. gal. .69 - .73
175-185 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y. gal. .72 - .76
180 vis., non-ret. dms., c.l., S.F. gal. .70 - —
l.c.l., S. F. gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .73 - —
l.c.l., N. Y. gal. .76 - .80
335-345 vis., dms., c.l., N. Y. gal. .81 - —
l.c.l., N. Y. gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F. gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 8.75 -14.25
Southern, cns lb. 3.65 - 5.60
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 3.00 - 4.00
Wormwood, cns. lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots. lb. 8.00 -25.00
first, bots lb. 8.00 -15.00
second, bots lb. 5.00 -10.00
third, bots lb. 3.00 - 3.25
Olein, crude (see Oil, red).
low titre, dms lb. .19¾- .20¾
tankcars lb. .18½- —
white, dms lb. .19¼- .20¼
tankcars lb. .18 - —
Oleostearin, bbls lb. .13½- .14
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works ton.12.00 - —
Opium, USP, cns. lb.19.20 -19.45
gran., USP, cns. lb.21.65 -21.90
powd., USP, cns. lb.21.65 -21.90

Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .34 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .2760- —
Molybdate lb. .45 - —
Persian, bbls lb. .30 - .45
Orange flowers, bls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .16
Oregano, Mexican, bgs lb. .15 - .15½
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs. lb. .15 - .15½
Orris root, Florentine, bls. lb. .26 - .27
powdered, bbls., bxs. lb. .30 - .31
Verona, bls lb. .18 - .19
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoamylphenol, dms., l.c.l., works, lb. .42 - —
Orthoanisidin, bbls lb. .30 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .81
Orthochlorophenol, dms lb. .28 - —
Orthocresol, pure, 30° dms., c.l., works lb. .26 - .33
l.c.l., works lb. .26½- .33¼
tech., 20°, dms., c.l., works lb. .24½- —
l.c.l. lb. .25 - —
29°-30°, dms., c.l., works lb. .25 - .33
l.c.l., works lb. .25½- .33¼
25°-27°, dms., c.l., works lb. .22¾- —
l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .22 - —
Orthodichlorobenzene, cns., 50-lb. lb. .12½- —
100-lb. lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see IPC).
Orthonitroanilin, dms lb. .50 - .53
Orthonitrochlorobenzene, dms. lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Orthonitroparachlorophenol, cns. lb. .75 - —
Orthonitrophenol, dms lb. .66 - .77
Orthonitrotoluene, dms. lb. .12 - —
Orthophenetidin, dms lb. .90 - —
Orthotoluidin, dms lb. .18 - .20
Orthotolidin, distilled, kgs lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Ouabaine, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs. works lb. 5.00 - —
smaller lots, works lb. 5.10 - 5.25

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Panthenol, bots., works, frt. adjust. kilo.90.00 - —
Papain, powd., cs lb. 3.60 - 4.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Chilean, bgs lb. .23 - .24
Portuguese, bgs. lb. .32 - .34
Spanish, bgs lb. .42 - .43
Para-anisidin, dms., works lb. .80 - —
Parachlorophenol, dms., c.l., works. lb. .27 - —
l.c.l., works lb. .28 - .33
Parachloroanilin, dms., frt. alld. E. Miss. lb. .70 - —
Parachloro-orthonitroanilin, dms lb. No stocks.
Paracresol, 98%, dms., works lb. .50 - .65
92%-94%, dms., works lb. .47 - —
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .11 - —
l.c.l., same basis lb. .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0690- —
122-124 ASTM, loose, c.l., ref'y. lb. .07 - —
125-127 ASTM, loose, c.l., ref'y. lb. .0710- —
128-130 ASTM, loose, c.l., ref'y. lb. .0730- —
130-132 ASTM, loose, c.l., ref'y. lb. .0735- —
132-134 ASTM, loose, c.l., ref'y. lb. .0760- —
135-137 ASTM, loose, c.l., ref'y. lb. .08 - —
Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, dms., 1,000 lbs., works lb. .24 - —
smaller lots, works lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .11 - .53
USP, cbys lb. .51 - —
Paranitroaniln, kgs., works lb. .44½- —
Paranitrochlorobenzene, kgs., works. lb. .18 - —
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works lb. .39 - —
Paraphenylphenol, bgs., works lb. .27 - .30
Paraphenylenediamine, tech., kgs., works lb. 1.30 - —
Paratertiarybutylphenol, bgs., works. lb. .19 - .20
Parathion tech., dms., c.l., works lb. 2.50 - —
l.c.l., works lb. 2.55 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - .63
Pareira brava root, whole, bgs lb. .30 - .41
ground, bxs lb. .40 - .41
powder, bxs lb. .42 - .43

E. F. DREW & CO. INC.

15 EAST 26th STREET, NEW YORK 10, N. Y.

CHICAGO • BOSTON • MONTREAL • RIO DE JANEIRO

FACTORY: BOONTON, N. J.

REFINERS OF VEGETABLE OILS AND THEIR DERIVATIVES

Coconut Oil 76°

Hardened Coconut Oil 92° and 110°

Coconut Hard Butter

Coconut Oil Stearine

Peanut Oil

Hardened Peanut Oil and Flakes

Soya Bean Oil

Hardened Soya Bean Oil and Flakes

Cottonseed Oil

Hardened Cottonseed Oil and Flakes

•

Shortening-Standard and all Hydrogenated

•

SPECIAL VEGETABLE COMPOUNDS

MANUFACTURERS OF FATTY ACIDS AND PLASTICIZERS

Crude, White Distilled, Fractionated Fatty Acids of:

Coconut Oil

Linseed Oil

Soya Bean Oil

Corn Oil

Cottonseed Oil

Tallow

Hardened Tallow

Marine Oils

•

Stearic Acid

•

Plasticizer SC for Vinyl Resins, Synthetic and Natural Rubber Compounds

•

OIL ESTERS MADE TO SPECIFICATION

ENQUIRIES SOLICITED

Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E lb. .31 - —
t.c.l., same basis lo. .32 - .33
Passion flower herb, bls lb. .26 - 28
Patchouli leaves, bls lb. .50 Nom.
Peanut meal, 41%, packed, mills ton 67.00 - —
Pectin, citrous, bbls lb. 1.25 - —
Penicillin, bulk, calcium, Romansky, 500,000,000 to 5,000,000,000 units 109,000 un.ts .06½ - 08¾
Potassium, crystalline, same quantity 100,000 units .08 - 09¼
Procaine G, same quantity 100,000 units .09 - 09¾
Sodium, crystalline, same quantity 100,000 units .09 - 09¾
distributors' unlabeled, potassium crystalline, bots., 100,000 units bot. .16 - —
200,000 units bot. .24½ - —
500,000 units bot. .50 - —
1,000,000 units bot. .92½ - —
Sodium, amorphous, 100,000 unit bot bot. .16 - —
200,000 units bot. .25 - —
500,000 units bot. .52 - —
1,000,000 units bot. .97 - —
crystalline 100,000 units bot. .15½ - —
200,000 units bot. .25½ - —
500,000 units bot. .52½ - —
1,000,000 units bot. .97½ - —
Procaine G in oil, 10 cc vials, 300,000 units per cc vial 3.60 - —
Pennyroyal leaves, bls lb. .28 - .30
Pentachlorophenol, dms., works lb. .20 - .25
Pentaerythritol, tech., bgs, c.l., works lb. .32 - —
t.c.l., works lb. .34 - .36
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, group 3 gal. 10½ - 11½
Pepper, black, bgs lb. .64 - .65
futures, bgs, nearby lb. .64 - .65
Mar. ship't., new crop lb. .53 - .54
Apr. ship't., bgs lb. .51 - .52
Red, Carolina, bgs lb. .50 Nom.
Honiaka, bgs., futures lb. .53 - .54
Louisiana long, bgs lb. .18 Nom.
Mombassa chillies, bgs lb. .35 - .37
Niger, capsicum, bgs lb. .33 - .34
birdseye, bgs lb. .50 Nom.
White, bgs lb. .76 - .77
Peppermint, USP, dom., bls lb. .60 - .65
imported, bls. lb. .75 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld lb. .11 - —
zone 2, same basis lb. .11½ - —
zone 3, same basis lb. .12 - —
zone 4, same basis lb. .11½ - —
l.c.l., zone 1, same basis lb. .11¾ - —
zone 2, same basis lb. .12¼ - —
zone 3, same basis lb. .12¾ - —
zone 4, same basis lb. .12¼ - —
tanks, zone 1, same basis lb. .10½ - —
zone 3, same basis lb. .11½ - —
zone 4, same basis lb. .11 - —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms lb. .95 - 1.00
Petrolatum, tech., dark, bbls., c.l., group 3 lb. .021 - —
f.o.b. Indiana refy lb. .04½ - —
golden topaz, bbls., c.l lb. .032 - —
t.c.l. lb. .036 - —
red, veterinary, bbls., c.l lb. .024 - —
t.c.l. lb. .028 - —
USP, amber, non-ret, dms., c.l lb. .04¾ - —
Pennsylvania refy lb. .04½ - —
t.c.l. lb. .05⅝ - —
California refy lb. .08¼ - —
cream, c.l., dms lb. .06½ - —
t.c.l. lb. .08⅛ - —
extra, amber, dms., c.l lb. .05 - —
Pennsylvania refy lb. .04¾ - —
t.c.l. lb. .06⅛ - —
white, lily, dms., c.l lb. .06¼ - —
t.c.l. lb. .08⅝ - —
snow, dms., c.l lb. .07¾ - —
Pennsylvania refy lb. .07¼ - —
t.c.l. lb. .09⅝ - —
California refy lb. .12 - —
soft, dms., c.l lb. .06½ - —
Pennsylvania refy lb. .06¾ - —
t.c.l. lb. .07¾ - —
California refy lb. .10½ - —
yellow, soft, dms., c.l lb. .04¾ - —
Pennsylvania refy lb. .04⅝ - —
t.c.l. lb. .06 - —
California refy lb. .08⅜ - —
Petroleum, crude, bulk, at wells, California bbl. 1.94 - 2.88
Illinois bbl. 2.45 - 2.87
Kentucky bbl. 2.43 - 2.83
Louisiana-Arkansas bbl. 2.14 - 2.75
Montana bbl. 1.97 - 2.77½
Oklahoma-Kansas bbl. 2.23 - 2.65
Pennsylvania, lower field bbl. 4.29 - 4.50
Upper field bbl. 3.65 - 4.50
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.93
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.25 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.97 - 2.65
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
cms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
90°-160° C, ret. dms., ex-tax, f.o.b. San Francisco gal. .57 - —
Fuel oil, bunker C (No. 6, California, heavy tanks, refinery, light, tanks, refinery bbl. 2.25 - 2.40
Eastern, tanks, Albany, N. Y bbl. 2.80 - —
Baltimore, Md bbl. 2.15 - 2.35
Boston bbl. 2.175 - 2.605
Charleston, S. C bbl. 2.18 - 2.28
Jacksonville, Fla bbl. 2.29 - —
New York, N. Y bbl. 2.15 - 2.45
Norfolk, Va bbl. 2.12 - 2.32
Philadelphia, Pa bbl. 2.15 - 2.30
Portland, Me bbl. 2.375 - —
Providence, R. I bbl. 2.35 - —
Savannah, Ga bbl. 2.29 - 2.31
Diesel, tanks, refinery, California gal. .095 - .118
Pennsylvania gal. .11 - .12
Furnace, tanks, refinery, Arkansas, No. 2 gal. .08625- —
No. 3 gal. .08375- —
Bayonne, N. J., No. 2 gal. .091 - —
Group 3, No. 1 gal. .08875- —
No. 1, straw gal. .08875- .09125
No. 2, straw gal. .085 - .09
range gal. .09 - .0925
Pennsylvania, No. 1 gal. .1125- .125
No. 2 gal. .11 - .125
No. 3 gal. .11 - .12

Petroleum lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F. b.r., tanks, ex-tax, Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .16 - —
Group 3, benzol-type, tanks, refinery gal. .1225- .13
toluol-type, tanks, refinery gal. .1225- .13
Mineral spirits, California, 170-255 b.r., tanks, ex-tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-363 e.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .1025- .115
tankwagon, Baltimore gal. .175 - —
Boston gal. .16 - —
Buffalo gal. .165 - —
Camden, N. J. gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
Kansas City, Mo gal. .162 - —
Lancaster, Pa gal. .16 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —
Washington, D. C gal. .175 - —

Petroleum naphtha, cleaners, California, tanks, San Francisco gal. .123 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .10623- .12
tankwagons, St. Louis gal. .1890- —
Newark gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
high-flash, 140° F. group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38° C, mix-ed anilin pt gal. .22 - —
25-26° C. m.a.p. gal. .21 - .26½
270-370 b.r., 78-81° C, m.a.p. gal. .24½ - .26
270°-370° b.r., 49° C, m.a.p gal. .29 - —
26° C, m.a.p gal. .21 - .26
300-400 b.r., 26-32° C, m.a.p. gal. .21 - .26½
340-410 b.r., 32° C, m.a.p. gal. .21 - —
36° C, m.a.p gal. .21 - .28½
340-440 b.r., 32° C, m.a.p. gal. .26½ - —
360-480 b.r., 25° C, m.a.p. gal. .21 - —
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 - —

Paris Green—Petroleum Sulphonate

Petroleum, naphtha, VM&P, Group 3, tanks gal. .1125- .12
Gulf coast, tanks, New Orleans gal. .12375- —
tankwagon, Boston gal. .175 - —
Chicago gal. .205 - —
Detroit gal. .221 - —
Milwaukee gal. .207 - —
Minneapolis gal. .205 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .199 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15 - —
Group 3, tanks gal. .11 - .1173
Stoddard, California, tanks, ex tax, San Francisco gal. .142 - —
East coast, N. J., N. Y., tanks gal. .14 - —
Group 3, tanks gal. .11 - .1173
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston gal. .16 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
Milwaukee gal. .197 - —
Minneapolis gal. .195 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
St. Louis gal. .199 - —
Syracuse gal. .185 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. 15½ - —
l.c.l., works lb. 15½ - —
tanks, works lb. 13¾ - —

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Amsco offers you an almost unlimited line of petroleum-base solvents, designed and processed to meet your most rigid requirements.

Amsco's quarter century of seasoned know-how enables us to offer you solvents which have the following *sound, profit-making* advantages:

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Petroleum Sulphonate, 50%—Potassium-Titanium Oxalate

Petroleum sulphonate, 50% sulphonic content, ret. dms., c.l., works lb. .12¼- —
l.c.l., works lb. .12½- —
tanks, works lb. .10¾- —
Phenobarbital, dms, 100 lbs. lb. 4.00 - 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald lb. .13½- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .12½- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .13 - —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .14¼- .15
tanks, same basis lb. .12½- —
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs lb. 1.00 —
smaller lots lb. 1.01 - 1.04
Phenothiazin, NF, fib, dms., ton lots, works lb. .49 - —
smaller lots, works lb. .54 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.65
100%, bots lb. 4.00 - 4.15
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.45 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Phenylalanine dextro laevo, dms, works lb.30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms. lb. 1.65 - 2.70
Phenylethylphenyl acetate, bots. lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots. lb. 3.00 - 3.07
Hydrochloride, CP, bots., works, lb. 5.00 - 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 - 1.60
Phloroglucinol, CP, fib. dms., works lb.13.75 -15.75
commercial fib. dms., works lb. 7.00 - 8.00
tech., fib., dms. lb.10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 4.61 - —
70%-68%, b.p.l., c.l. same basis long ton. 5.01 - —
72%-70%, b.p.l., c.l., same basis long ton. 5.31 - 5.61
75%-74%, b.p.l., c.l., same basis long ton. 6.31 - 6.51
77%-76%, b.p.l., c.l., same basis long ton. 7.31 - —
finely ground, 65.5% b.p.l. basis 30% P_2O_5 minimum short ton. 5.78 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.98 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 6.93 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Phosphate rock, Tennessee, brown, run of mine, unground, 27-26% P_2O_5 long ton. 6.00 - —
30-29% P_2O_5 long ton. 6.75 - —
Phosphorus, red, amorphous, cs. lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 - .14
Phosphorus sesquisulphide, tins, cs., works lb. .28 - .29
Sesquisulphide, tins, cs., works lb. .28 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 - .16
Phthalamide, bbls., works lb. .35 - .40
kgs., works lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .22½- —
Pacific Coast, dlvd lb. .22 - .24¼
l.c.l., frt. equald lb. .23½- —
Pacific Coast, dlvd lb. .24 - .26¼
Pichi leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials oz. 6.50 - 7.50
Nitrate, bots., vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .23½- .24
Pinetar, retort, dms. incl., c.l., works, South gal. .43½- —
l.c.l., same basis gal. .45½- —
whse., N.Y.C. gal. .54¾- —
tanks, works, South gal. .34½- —
Pinkroot, bls. lb. 1.95 - 2.00
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots. lb. 8.50 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works ton.34.00 - —
l.c.l., works ton.36.00 -37.00
Cottonseed, dms., works lb. .10¼- .10¾
Hardwood, paper bgs., works lb. .04 - —
Linseed, dms lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 6.90 - —
Soybean, dms., works lb. .10¼- .10¾
Plaster of paris (see Gypsum)
Platinum metal, works oz.88.00 -91.00
Pleurisy roots, bls. lb. .25 - .26
Podophyllin, dms lb.14.25 - —
Pokeroot, bls. lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld lb. .33 - —
20,000 lbs., same basis lb. .34 - —
smaller lots, same basis lb. .35 - .42
water-clear, dms., 30,000 lbs., works, frt. alld lb. .27 - —
20,000 lbs., same basis lb. .28 - —
smaller lots, same basis lb. .29 - .35
Pomegranate root bark, bgs lb. .75 Nom.
Poppy flowers, bls lb. .50 - .55
Seed, Dutch, bgs lb. .20 - .20½
Polish, bgs lb. .18 - .19
Turkish, bgs lb. .13½- .14
futures, bgs lb. .13½- .14
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works 100 lbs. 9.55 - —
l.c.l., works 100 lbs. 9.75 - —
liquid, dms., c.l., 45%, works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0315- —
l.c.l., works lb. .089 - —
liquid, 45% basis, dms., c.l., works lb. .03725- —
l.c.l., same basis lb. .0450- —
tanks, same basis lb. .0340- —
solid, 88-92%, dms., c.l., works, lb. .0755- —
l.c.l. lb. .0830- —
Potassium abietate lb. .08 - —
Acetate, USP, dms lb. .31 - —
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., c.l., works lb. .12¾- —
l.c.l. lb. .12¾- .13
Potassium bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works ton.192.00 - —
ton lots, works ton.245.50 - —
less ton lots, works ton.250.50 - —
Bromate, bbls., 1,000 lbs. or more, lb. .48 - —
25-200 lbs lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works lb. .0780- —
l.c.l., same basis lb. .0830- —
hydrated, 83-85%, bbls., c.l., works lb. .06¼- —
dms., l.c.l., works lb. .06¾- —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., kgs., c.l., works, lb. .08½- —
l.c.l., works lb. .09¾- —
powd., dms., kgs., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse lb. .12 - —
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .42½
Potassium citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works lb. .55 - —
Fluoride, dms., works lb. .24 - —
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypophosphite, 50-lb. lots lb. .90 - .93
Iodide, dms. lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphate, gran., bbls lb. .19 - .21
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½- —
Trona, Cal unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls lb. .30 - —
Perchlorate, kgs., c.l., works lb. .13½- —
dms., l.c.l., works lb. .14 - .15
Permanganate, tech., kgs., works, lb. .21¾- .22¼
USP, dms., works lb. .23½- .29
Persulphate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .21 - —
Phosphate, tetrabasic, bbls., works lb. .13 - .13¾
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .18 - —
Silicate, glass, bgs., c.l., works, ton.200.00 - —
l.c.l. 100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Sulphate, NF, cryst., bbls lb. .31 - .33
gran., dms lb. .14 - .15
agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works ton.32.50 - —
indust, bulk, works ton.36.00 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms. lb. .70 - .78
tech., works lb. .45 - .50
Titanate, cns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- .13
1 ton or less, works lb. .12½- —
Xanthate, dms., c.l. lb. .12 - —
Potassium-magnesium sulphate bulk, min., 40% K_2SO_4, 18-50% MgO, works ton.14.50 - —
Potassium-sodium ferricyanide, kgs., works lb. .45 .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 .50
Potassium-titanium oxalate, bbls., dms. lb. .55 - .60

"I'll NEVER buy this cream again!

Less than a quarter used... and already the rest is caked and hardened."

Give your product adequate protection from caking . . . safeguard its creaminess with Kraystay, the finer vegetable stabilizer Kraft makes from carrageenin.

In hand, cold, vanishing or cleansing creams, the gradual evaporation of moisture often causes undesirable caking.

Don't let your product dry out! Protect it with Kraystay. Besides being an excellent base for creams or pastes, Kraystay, in concentrations of 0.5 to 1.0%, prevents evaporation by forming a thin air-tight film over the cream. Needed moisture is sealed in, and creaminess assured.

By varying the proportions, Kraystay will show unusual stabilizing, emulsifying, thickening, gelling or suspending properties in foods or pharmaceuticals of medium or low acidity.

Kraystay 16-8 is an excellent thickener or base for creams and pastes. With the addition of potassium chloride, it retains high gel strength at temperatures up to 240° F. Kraystay 16-14 combines low viscosity with excellent gel strength.

To find out more about Kraystay, call or write Kraft today. Please state the nature of your product. Kraft Foods Company, Dept. OP-9, 500 Peshtigo Court, Chicago 90, Ill.

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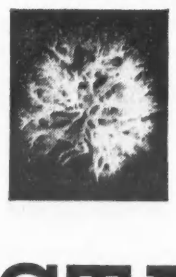
Two new additions to the Kraft line of quality stabilizers:

Kraft Blue Label edible Algin

Kraft Blue Label non-edible Algin

Pure, highly refined, especially suited for products of high acidity.

GELOSE FROM THE SEA! The clear, pure vegetable gelose used in making Kraystay comes from these minute fronds of edible Irish moss. Taken from the clean, cold ocean floor, they form the basis of this consistently efficient stabilizer whose uniform high quality is guarded by modern, scientific laboratory controls.



KRAYSTAY

MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Prickly ash bark, bls lb. .28 - .33
Berries, bgs. lb. No stocks.
Prince's pine herb, bls lb. .54 - .60
Procaine hydrochloride, cns., 200-lb. lots lb. 4.75 - —
smaller lots lb. 5.00 - 5.75
Propane, commercial grade, tanks, group 3 gal. .06 - —
Propionaldehyde, dms., c.l., works. lb. .16½- —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Propyl acetate, dms., c.l., works lb. .17 - —
l.c.l., works lb. .18 - —
tanks, works lb. .15 - —
tankwagons, works lb. .15½- —
Aldehyde (see Propionaldehyde).
Propylene dichloride, dms., c.l lb. .08½- —
l.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., frt. alld. E lb. .21½- —
tanks, frt equald. E lb. .18½- —
Propyleneglycol NF, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .16 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb .16½- —
Propylthiouracil, frots., works kilo.50.00 - —
Psyllium seed, black, bgs lb. .30 - .35
blonde, bgs lb. .23 - .26
husks, bgs lb. .65 - .70
Pulsatilla herb, bls lb. .55 - .60
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots. lb. .03¾- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03¾- .04¼
fine, bgs., ton lots lb. .03¾- —
smaller lots lb. .03¾- .04
Italian, silk-screen, fine, bgs., ton lots lb. .04 - —
coarse, bgs., ton lb. .05½- —
sun dried, fine, bgs., ton lots lb. .03 - —
coarse, bgs., ton lots lb. .04½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs lb. .25 - .26
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%: for aerosol bombs, dms., works lb. 8.50 - —
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works gal. 6.75 - —
regular base, dms., works, gal. 6.63 - —
liquid (30 to 1) base 3 grams pyrethrins, per 100cc., odorless base, bbls., works gal. 8.75 - —
regular base, dms., works, gal. 8.63 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .29 - —
powder, 1.3% pyrethrins, bbls., works lb. .35½- —
Pyridin, denaturing ret. dms., works and frt. equald gal. 2.49 - 2.72
refd., 2° non-ret. dms., c.l., same basis lb. .79 - .80
l.c.l., same basis lb. .79½- .80
ret. dms., l.c.l., same basis lb. .69 - .80
Pyridoxin hydrochloride, 100-gram lots gram. .53 - —
Pyrites, Spanish, c.i.f. All ports. long-ton. 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh bulk, c.l., mines ton.12.00 - —
325 mesh, bulk, c.l., mines ton.14.00 - —
No. 3, 200 mesh bulk, c.l., mines, ton. 9.50 - —
Insecticide grade, 200 mesh, bulk, c.l., mines ton. 9.00 -10.00
rubber grade, 140 mesh, bulk, c.l., mines ton. 7.00 - —
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works lb. .17 - —
black, cs., works lb. .14 - —
gray, cs., works lb. .14 - —
mixed, mottled, cs., works lb. .12 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works, lb. .17 - —
transparent, colorless, cs., works lb. .19 - —
colors, cs., works lb. .17 - —
shavings, opaque, amber, cs., works lb. .15 - —
mixed, colors, cs., works lb. .14 - —
white, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra lb. .17½- —
liq., 35% tannin, bbls., works, lb. .09½- —
tanks, same basis lb. .09 - —
solid, 64% tannin, bgs., c.l., duty extra lb. .12⅜- .13¼
powd., 70% tannin, bgs., c.l., same basis lb. .18 - —
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis, lb. .11⅜- .12¾
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .13
Quercitron crystals, bbls., l.c.l. lb. .33½- —
Extract, liquid, bbls., l.c.l. lb. .14½- —
solid, bxs lb. .28 - —
Quicksilver, flasks (76 lbs.) net. flask.88.00 -90.00
Quince seed, bgs lb. .95 - 1.75
Quinindine, NF, √, cryst., cns. oz. 1.30 - —
powd., precip. cns oz. 1.22 Nom.
Sulphate, USP, cns oz. .95 - 1.35
Quinine, NF, cns., 100 ozs. oz. 1.00 - —
Arsenate, cns., 100 ozs oz. 1.30 - —
Bisulphate, USP, cns., 100 ozs. oz. .73 - —
Dihydrobromide, bots., 50 ozs. oz. 1.00 Nom.
Dihydrochloride, USP oz. 1.00 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. 1.07 - —
Formate, cns., 100 ozs oz. 1.20 Nom.
Hydrobromide, NF, cns., 50-oz. cns. oz. .91 - —
Hydrochloride, USP, cns., 100 ozs. oz. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.40 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, cns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80½- —
Tannate, USP, X, cns., 100 ozs. oz. .60 Nom.
Valerate, NF, IV, 100 ozs. oz. 1.25 - —

Quinine-urea hydrochloride, NF, cns. oz. .97 - —
Quinolin, dms., c.l., works lb. .54½- .62½
l.c.l., works lb. .55 - .63

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.43 - 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies, lb. 1.35 - —
light shade, bbls., same basis, lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).

Red, eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- .11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .80 - —
Lithol-rubin toner, alizarin lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25%, bgs., works lb. .40 - .43
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide), Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .23
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .28
Red, Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner, alizarin lake, kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .34 - —
Quicksilver, ctns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls lb. .35 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Rhatany root, bgs lb. .09 - .10
Rhubarb root, whole, cs lb. .80 - .95
powd., bbls lb. .85 - 1.05
Riboflavin, USP, bots kilo.125.00 - —
Readily soluble, bots kilo.175.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif lb. .79 - —
Rochelle salt, gran., powd., bbls, 5,000 lbs lb. .31½- —
smaller lots lb. .32 - —
Rose flowers, pale, bls lb. .23 - .24

SOLVENT VAPOR DRYING PROCESS DRIES WOOD IN HOURS WITHOUT DETERIORATING EFFECTS

Heretofore wood has been dried in open air, by steam, or by high temperature air. Open air drying takes 6 to 18 months; steam and high temperature air often result in hydrolysis or burning. Now, one of the country's largest wood preserving plants has developed a Vapor Drying process which safely and effectively dries wood in from *6 to 1¼ hours!* The drying agent used is *Esso's Solvesso Xylol.*

The drying process begins when a locomotive pushes a charge of crossties, approximately 100 feet long, into a cylinder or drying chamber. At the proper time, vaporized Solvesso Xylol is passed into the drying cylinder. The hot Solvesso Xylol vapor is circulated through the cylinder for a few hours, penetrating many inches into the wood and evaporating much of its moisture.

As "dry cleaning" and moisture evaporation continue, the solvent vapor with its moisture-lignin content leaves the cylinder and is condensed, separating the solvent from the water in the settling tank and returning the Solvesso Xylol to the evaporator to be reused. (see diagram)

5 Gallons of Water from One Crosstie

The amount of water removed from the settling tank determines the relative dryness of the wood being treated. When drying is finished, the Solvesso Xylol lines are closed, the chamber evacuated and the wood is ready for treatment with wood preservative. Water from the settling tank is passed through a meter, which is read periodically to determine wood drying progress. One charge of 800 crossties may be made to give up as many as 4,000 gallons of water—or *5 gallons per crosstie*—in a 12-hour drying period.

Esso Solvents Play Vital Role in Scores of Industries

Rubber, textiles, chemicals, paper, food, leather and scores of other industries are utilizing the many types and grades of solvents manufactured by Esso Standard Oil. Production men know they can rely on Esso Petroleum Solvents' purity and uniformity, maintained through most modern and stringent refinery treatment. If you have a solvents problem, let our technical men examine your requirements and determine the solvent best suited to your needs. Drop a line today to our office nearest you.

Paper Mill Machinery now Cleaned with Solvesso 100

Solvesso 100 is now being used to clean paper machine screens and felts when they become congested with natural wood pulp gums and resins. Since paper machines are operated at extremely high temperatures, Solvesso 100's high flash point (over 100°F.) makes it ideally suited. In addition, Solvesso 100 has especially high solvency for resins since it contains more than *95% petroleum aromatics.*

Before they were creosoted, the crossties in this picture were dried by a new vapor process employing Solvesso Xylol.

ESSO PETROLEUM SOLVENTS

SOLD IN Me., N.H., Vt., Mass., R.I., Conn., N.Y., N. J., Pa., Del., Md., D. C., Va., W. Va., N. C., S.C., Tenn., Ark., La.

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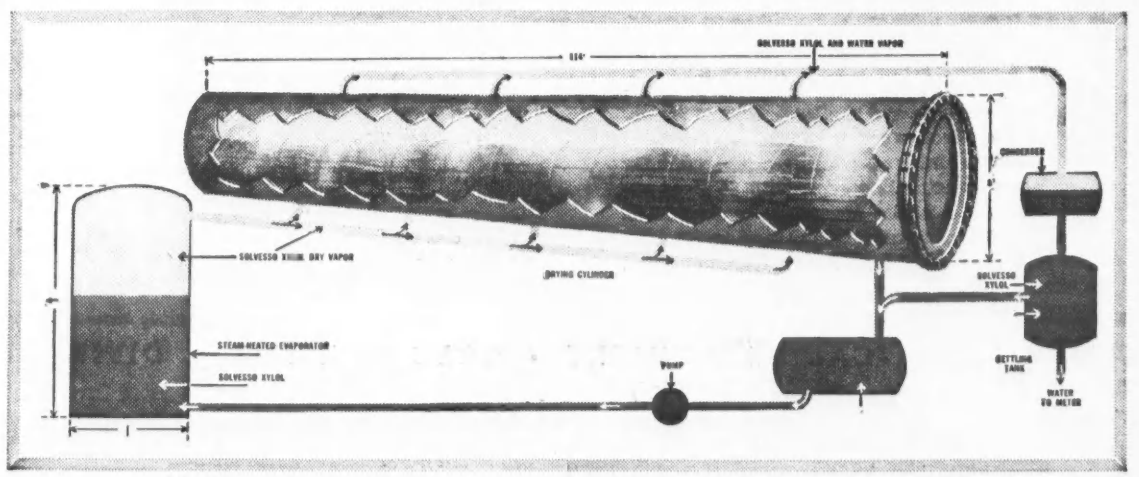
ESSO STANDARD OIL COMPANY OF PENNSYLVANIA—Philadelphia, Pa.



This diagram shows how Solvesso Xylol is being used in new vapor drying process for drying crossties.

Rosemary Flowers—Sodium Borate

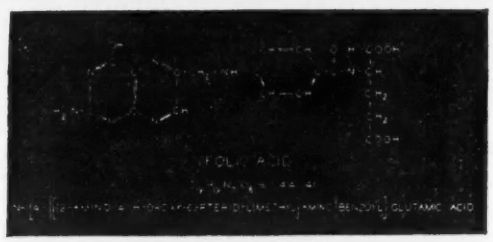
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .12 - .12½
Portuguese, bls.....lb. .07½- .08
Spanish, bls.....lb. .08½- .09
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 5.00 - —
FF, dms., c.l., works....100 lbs. 6.50 - —
G, H, I, dms., c.l., works.100 lbs. 7.45 - —
K, dms., c.l., works.....100 lbs. 7.45 - —
M, dms., c.l., works.....100 lbs. 7.45 - —
N, dms., c.l., works.....100 lbs. 7.45 - —
WG, dms., c.l., works....100 lbs. 7.70 - —
WW, dms., c.l., works....100 lbs. 7.77 - —
X, dms., c.l., works.....100 lbs. 7.87 - —
Rotenone, C.P., bbls., works....lb.20.00 - —
tech., works.....lb.16.50 - —
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines.....ton.43.00 - —
Rue herb, bls.....lb. .40 - .45
Rutin, 10 kilos.....gram. .16½- —
5 kilos.....gram. .17 - —
smaller lots.....gram. .17½- .21½

S

Sabadilla seed, powd., bbls.....lb. .40 - .45
activated ground with lime, bbls. lb. .28 - .30
Saccharin, gran., soluble, 1,000 lbs. lb. 1.50 - —
smaller lots.....lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots..lb. 1.55 - —
smaller lots.....lb. 1.65 - 1.85
Safflower, Egyptian, bls.....lb. .95 - 1.00
Saffron, Mexican, bls.....lb. 1.25 - 1.40
Spanish, USP, tins.....lb.22.50 -23.00
Safrol, dms.....lb. .68 - .75
Sage, cyprus, bgs.....lb. .08 - .09
Dalmatian, bls.....lb. .22½- .23
Greek, fancy, bls.....lb. .13½- .14
Spanish, bls.....lb. .13½- .14
Syrian, bgs.....lb. .21 Nom.
Sago flour, bgs.....lb. .08 - .08¼
Salicin, bots.....lb. No stocks.
cns.....lb. No stocks.
Saligenin, ctns., works.....lb.14.00 -25.00
Salol, gran., bbls., kgs.....lb. 1.00 - —
fib. dms.....lb. 1.02 - 1.03
powdered salol, 10c. higher.
Salt, rock, paper bgs., c.l..100 lbs. .88 - —
burlap bgs.....100 lbs. .98 - —
l.c.l., paper bgs.....100 lbs. 1.09 - 1.12
burlap bgs.....100 lbs. 1.19 - 1.22
Table, vacuum, common, fine, bgs., works, c.l..100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. .....100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, dlvd.....ton.27.00 - —
Chrome (see Chrome cake).
Saltpeter cryst., bbls., 10 tons. 100 lbs.13.90 - —
smaller lots.....100 lbs.14.15 -14.40
gran., bbls., 20 tons.....100 lbs. 9.25 - —
smaller lots.....100 lbs.10.50 -11.00
powd., bbls., 20 tons.....100 lbs.10.25 - —
smaller lots.....100 lbs.11.50 -12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, cryst., powd., cns...kilo.190.00 -200.00
Saponin No. 1, cns.....lb. 2.45 - —
Sarsaparilla root, dom., bls....lb. .40 - .45
Honduras, bls.....lb. .40 - .45
Mexican, bls.....lb. .28 - .32
Sassafras bark, ord., bls.....lb. .30 - .31
select, bls.....lb. .60 - .65
Savory, French, bls.....lb. .20 - .20½
Spanish, bls.....lb. .14 - .14½
Saw palmetto berries, bgs.....lb. .23 - .24
Scammony resin, lump, cns.....lb. 2.10 - 2.25
powd., cns.....lb. 2.20 - 2.30
Root, bgs.....lb. .13 - .14
Schaeffer's salt, bgs.....lb. .60 - .67
Seidlitz mixture, bbls., 5,000 lbs..lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs.....lb. .28¼- —
smaller lots.....lb. .28¾- —
Selenium, powd., cns., 10-lb. lots..lb. 2.10 - —
cs., 1,000-lb lots.....lb. 2.00 - —
Senega root, bls.....lb. 1.75 - 1.80
Senna leaf, Alex., half-leaf, bls..lb. .26 - .27
sifting, bgs.....lb. .22 - .23
Tinnevelly, No. 1, bls. .....lb. .18 - .24
No. 2, bls.....lb. .16 - .19
No. 3, bls. .....lb. .12 - .14
Pods, bls.....lb. .14 - .15
powdered, bls., bxs. .....lb. .16 - .22
Serpentaria root, bls. .....lb. 2.45 - 2.50
Sesame seed, Brazil, bgs., afloat..lb. .16½- .17
Central Amer., natural, bgs..lb. .17½- .18
Chinese, hulled.....lb. .23 - .23½
choice, bgs.....lb. .23 - .23½
Nicaragua, hulled.....lb. .30 - .31
Salvadorean .....lb. .18 - .18½
Turkish, yellow.....lb. .16 - .16½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .67½- —
bbls., 1,500-lb. lots.....lb. .68 - —
kgs., 1,500-lb. lots.....lb. .70 - —
refined, bgs., 1,500-lb. lots....lb. .77½- —
bbls., 1,500-lb. lots.....lb. .78 - —
kgs., 1,500-lb. lots.....lb. .80 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs.....lb. .72 - .73
No. 2, bgs.....lb. .70 - .71
Superfine, bgs., 10 bgs.....lb. .67 - .68
TN, bgs., 10 bgs.....lb. .65 - .66
Shellac in 1 to 9 bgs., 1c. more
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.ton.20.00 -30.00
l.c.l., works.....ton.25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.20.00 - —
99½%, 140 mesh, bgs., c.l., works..ton.10.00 - —
l.c.l., works.....ton.15.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .18½- .20½
Silver bullion, ingots, cs .....oz. .70 - —
Cyanide, fib. dms., 2,500-oz. lots. oz. .66 - —
1,000-oz. lots.....oz. .66½- —
500-oz. lots.....oz. .66½- —
100-oz. lots .....oz. .66¾- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .44⅞- —
1,000-oz. lots.....oz. .46⅛- —
500-oz. lots.....oz. .46⅜- —
250-oz. lots.....oz. .47⅛- —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, bots., dms., 1,000-oz lots, oz. .90 - —
Simaruba bark, bls. .....lb. .35 Nom.
Skullcap herb, Eastern, bls.....lb. .85 - .90
Western, bls. .....lb. .35 - .40
Skunk cabbage root, bls.....lb. .35 - .40
Slate flour, bgs., c.l., works....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs .....lb. .33 - .40
Smalt, black, ctns .....lb. .11 - —
Blue, ctns.....lb. .16 - —
Snakeroot, Canada, bls. .....lb. .45 - .50
Soapbark, bls.....lb. .19 - .20
crushed, bls., bbls.....lb. .26 - .27
cut, foreign, bbls.....lb. .28 - .30
powd., bbls.....lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.50 - —
l.c.l., stock points, zone 1. 100 lbs. 2.85 - —
2 .....100 lbs. 3.00 - —
3 .....100 lbs. 3.35 - —
4 .....100 lbs. 3.95 - —
bbls., c.l., works....100 lbs. 2.00 - —
l.c.l., stock points, zone 1. 100 lbs. 3.35 - —
2 .....100 lbs. 3.50 - —
3 .....100 lbs. 3.65 - —
4 .....100 lbs. 4.45 - —
bulk, c.l., works....100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works..100 lbs. 1.40 - —
l.c.l., stock points, zone 1. 100 lbs. 2.75 - —
2 .....100 lbs. 2.90 - —
3 .....100 lbs. 3.25 - —
4 .....100 lbs. 3.85 - —
bbls., c.l., works....100 lbs. 1.90 - —
l.c.l., stock points, zone 1. 100 lbs. 3.25 - —
2 .....100 lbs. 3.40 - —
3 .....100 lbs. 3.75 - —
4 .....100 lbs. 4.35 - —
bulk, c.l., works....100 lbs. 1.15 - —
Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.45 - —
l.c.l., dlvd., zone 1. 100 lbs. 5.80 - —
zone 2.....100 lbs. 5.95 - —
zone 3.....100 lbs. 6.30 - —
zone 4.....100 lbs. 6.90 - —
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.40 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.50 - —
50% rayon type, tanks, works, dry basis..100 lbs. 2.40 - 2.50
solid, 76%, dms., c.l., works .. 100 lbs. 3.05 - —
l.c.l., dlvd., zone 1 .... 100 lbs. 4.40 - —
zone 2.....100 lbs. 4.55 - —
zone 3.....100 lbs. 4.90 - —
zone 4.....100 lbs. 5.60 - —
Prices f.o.b. stock points in zones indicated minimum quantity 500 lbs., for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.
Sal, bgs., c.l., ex car.....100 lbs. 1.35 - —
l.c.l., bgs., ex whse....100 lbs. 1.75 - —
Sodium acetate, anhyd., dms., works..lb. .10 - .11¼
NF, cryst., bbls., works.....lb. .08 - .09
Alginate, refined, water soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works....lb. .46 - —
white, powd., dms., works, ton lots..lb. 1.25 - —
smaller lots.....lb. 1.30 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd. E. lb. .31 - —
l.c.l., dlvd..... lb. .32 - —
Arsenate, dealers, dms., c.l.., works..lb. .12 - —
l.c.l., works.....lb. — - —
Arsenite, 75%, dealers, dms., works..lb. .13¼- .14¼
solution, dms., works.....gal. .70 - 1.00
Benzoate, tech., bbls., 2 tons..lb. .39 - —
smaller lots .....lb. .40 - .41
USP, dms., 2 tons.....lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.35 - —
l.c.l., works.....100 lbs. 3.00 - —
powd., bgs., c.l., works.. 100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.60 - —
Bichromate, bgs., c.l., works....lb. .10 - —
l.c.l., works .....lb. .10½- .10¾
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald..lb. .13¼- —
l.c.l., same basis.....lb. .13½- —
Bisulphate, bulk, c.l., works.. 100 lbs. 1.75 - —
dms., c.l., works.....100 lbs. 2.40 - —
l.c.l., works .....100 lbs. 2.90 - —
Bisulphite, powd., bbls., c.l., works 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 4.00 - —
solut. 35°, bbls., c.l., works.. 100 lbs. 1.10 - —
l.c.l., works.....100 lbs. 1.50 - —
Borate (see Borax).

IMPORTANT MEMBER OF B COMPLEX • FOLIC ACID

(pteroylglutamic acid)



FOLIC ACID, an important member of the Vitamin B Complex, is now being used in increasing quantities in multi- and B complex vitamins. Folic Acid has a wide range of application in anemia therapy and has been demonstrated to produce dramatic results in a number of macrocytic anemias, including sprue, gestational macrocytic anemia, macrocytic anemia of gastrointestinal origin, and the macrocytic anemias associated with pellagra and similar deficiency states. Folic Acid is effective either by oral or parenteral administration and is especially recommended for those patients exhibiting sensitivity to liver extract. Because anemias are generally considered to be dietary deficiencies, it is natural to combine folic acid with other members of the B complex in vitamin preparations.

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Sulfadiazine U.S.P.
(powder and micro crystal . . . the Sulfa drug of choice)
Sodium Sulfadiazine U.S.P.
Sulfamerazine U.S.P.
(powder and micro crystal)
Sodium Sulfamerazine U.S.P.
Sulfanilamide U.S.P.
(powder, crystal and micro crystal)
Sulfathiazole U.S.P.
(powder, crystal and micro crystal)
Sodium Sulfathiazole U.S.P.
Sulfapyridine N.F.
Sodium Sulfapyridine
Sulfabenzamide
Sodium Sulfabenzamide
Aminoacetic Acid N.F.
Calcium Pantothenate (Dextro)
Choline Chloride
Choline Dihydrogen Citrate
Cinchophen N.F.
(and Sodium Salt)
Dicumarol
Folic Acid
Neocinchophen U.S.P.
Mandelic Acid N.F.
Calcium Mandelate U.S.P.
Menadione U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
Nicotinic Acid U.S.P.
Nicotinamide U.S.P.
Nicotinamide HCl.
Pyridoxine HCl.
Saligenin
Propylthiouracil
Phenothiazine N.F.
(Regular and Drench grades for Veterinary use)
Certified Colors for Pharmaceutical and Cosmetic Use

*In keeping with long-established policy, the above products are offered to ethical Pharmaceutical and Veterinary Manufacturers only.

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PHARMACEUTICAL DEPARTMENT • CALCO CHEMICAL DIVISION

AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Sodium bromide, USP, bbls., kgs., works lb. .33 - .34
Cacodylate, bots., dms lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal. Sodium monohydrate).
Chlorate, cryst., dms., c.l., works lb. .07½- —
l.c.l., works lb. .07¾- .08¼
powd., kgs., works lb. .09 - —
Chloride (see Salt).
Chlorite, tech., dms., works lb. .75 - —
Chromate, bbls., dms., c.l., works lb. .11⅝- —
l.c.l., works lb. .11¾- .11⅞
Citrate, USP VIII, bbls lb. .21½- —
dms lb. .22½- .26½
USP XIII, gran., bbls lb. .26 - —
dms lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms lb. .17 - .17½
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12⅛
anhydrous, dms., works lb. .14 - .15
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10⅝- —
95%, bbls., c.l., works lb. .10⅝- —
l.c.l., works lb. .11 - —
Formate, bgs., c.l., dlvd. 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Glutamate, monobasic, kgs. lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb. .82 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .24 - —
l.c.l., frt. alld lb. .24½- .25⅛
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —
Hypophosphite, 50-lb. lots, dms lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
pea cryst., bgs., metro. area 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 - 2.83
Lactate, edible, 50%, dms., c.l., works lb. .18 - —
l.c.l., dms., works lb. .18¾- —
tech., 50%, dms., c.l., works lb. .12½- .13
l.c.l., dms., works lb. .13 - .13¾
Mandelate, dms lb. 3.25 - 3.35
Metaborate, octa-hydrate, gran., bgs., c.l., works ton 73.00 - —
l.c.l., works ton 118.00 -123.00
tetrahydrate, c.l., bbls., works ton 184.50 - —
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works lb. .18½- —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.25 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00
Molybdate, anhyd., works lb. .51½- .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works ton 48.50 - —
bulk, c.l., works lb 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac.whse ton 54.50 - —
bulk, c.l., same basis ton 51.00 - —
Nitrite 90%, bbls., c.l., works, frt. equald lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bols., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½- .21⅛
Pentachlorophenate, briquets, bgs., works, frt. equald lb. .21½- —
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 - .24
Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l., works lb. .19¼- —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .16 - —
smaller lots, same basis lb. .19 - —
Phenolsulphonate, USP IX, gran., dms lb. .33 - .34
powd., dms. lb. .36 - .37
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
cryst., bgs., c.l., works. 100 lbs. 3.35 - 3.50
l.c.l., works 100 lbs. 3.75 - 3.90
NF, dried, powd., dms., works. lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 12.45 - —
l.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.15 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Phosphoaluminate, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 11.25 -13.00
l.c.l., same basis 100 lbs. 11.75 -13.50
ferric, dms., 10,000 lbs., works. lb. .22 - —
smaller lots works lb. .22¼- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.50 - 6.65
l.c.l. 100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, dms lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1. 100 lbs. 3.45 - —
zone 2 100 lbs. 3.60 - —
zone 3 100 lbs. 3.85 - —
zone 4 100 lbs. 4.25 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 - 5.65
Sodium silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton 16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.13
tanks, works ton 32.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .05½- .06
Stannate, dms., works, frt. alld. E lb. .58 - .633
Stearate, fused, bbls., works lb. .50¾- —
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- —
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 - .15⅛
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works. 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate)
Sulphoricinoleate, bbls lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05⅝- —
l.c.l., works lb. .06¼- —
liquid, 45%, tanks, works ton 95.00 - —
Sodium thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13⅛
Tripolyphosphate, bgs., c.l., works, frt. equald lb. .07¼- —
l.c.l. lb. .07¾- —
Tungstate, tech., bgs lb. 1.25 - 1.30
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .25½- .26½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .27 - .30
high-flash, tanks, works gal. .27 - .30
petroleum, 100 F. flash, tanks, Baytown, Tex gal. .27 - —
150 F. flash, tanks, same basis gal. .27 - —
Sorbitol, com'l, dms., c.l., works, lb. .25½- —
l.c.l., works lb. .26 - —
crystalline, dms., works lb. .50 - —
solution, aqueous, dms., c.l., works. lb. .1855- —
ton lots, works lb. .196 - —
Soybean meal, 41% bulk, Decatur. ton 60.00 -61.00
protein, chemically isolated, 40,000 lbs., works lb. .22 - —
20,000 lbs., works lb. .22¼- —
smaller lots, works lb. .22½- .26
mechanically refined, bgs., 40,000 lbs., works lb. .061 - —
20,000 lbs., works lb. .063 - —
smaller lots, works lb. .065 - —
Spikenard root, bls. lb. .40 - .43
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine, leaves, bls lb. .40 - .43
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.54 - —
Chicago 100 lbs. 4.92 - —
l.c.l. 100 lbs. 5.69 - —
powd., paper bags., c.l. 100 lbs. 5.65 - —
Chicago 100 lbs. 5.03 - —
l.c.l. 100 lbs. 5.80 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l. lb. .06 - —
l.c.l. lb. .07½- .07¾
Rice, bgs., c.l lb. No stocks.
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0631- .0730

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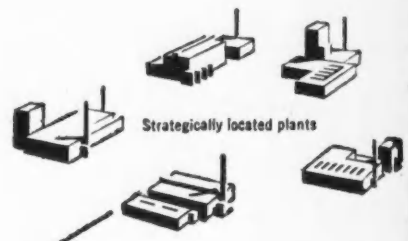
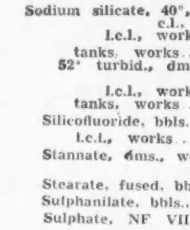

Strategically located plants

Whichever way you look at it...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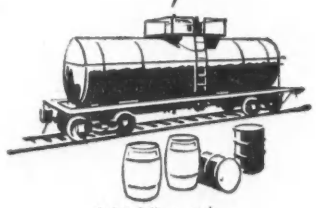
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Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Nytron • Sodium Bicarbonate • Specialty Cleansers
Ammonium Bicarbonate • Sodium Nitrite • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Stavesacre Seed—Toluol

Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .35 - .38
Stoneroot, bls.....lb. .07½- .08
Storax, USP, cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .20 - .22
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals, vials..gram. 1.28 - —
wholesalers, vials.....gram. 1.03 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls.....lb. .15½- .16½
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bgs., frt. equald....lb. .43½- .44
Iodide, jars, 25 lbs.....lb. 3.60 - —
Lactate, dms.....lb. No stocks.
Nitrate, bbls., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .10½- —
Oxalate, bbls., works.....lb. .42 - .44
Salicylate, NF, dms.....lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.39.00 - —
Strophanthus seed, Kombe, bgs..lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrene, monomer, tanks, works..lb. .15 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .60 - —
tech., bbls., l.c.l., works....lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works..lb. 4.25 - —
Sulphabenzamide sodium, dms., works..lb. 4.25 - —
Sulphadiazin, USP, dms., works..lb10.25 -10.75
Sulphadiazin sodium, USP, dms., works..lb.11.25 -11.75
Sulphaguanidin, USP, dms., works. lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
Sulphamerazin, sodium, USP, dms., works..lb.11.25 -11.75
Sulphanilamide, USP, powd., bots., works..lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamide, acetyl, dms., works. lb. 4.25 - 4.60
Sulphapyridin, NF, powd., bots., tins, works..lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works..lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works..lb. 3.50 - 4.00
Sulphathiazole sodium, USP, dms., works..lb. 3.50 - 4.00
Sulphur, com'l, rubbermakers, bgs., c.l., works..100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works..100 lbs. 1.69 - —
l.c.l., works.....100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs..lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works..100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works.100 lbs. 2.80 - —
l.c.l., works.....100 lbs. 3.15 - 3.50
Sulphur, refined, flowers, USP, bgs., c.l., works..100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works....100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., bgs., works...100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works.....lb. .04¼- —
10-gal. dms., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Dioxide, liquid, com'l, cyls., works lb. .10 - —
multi-unit cars, works....lb. .055 - —
tanks, works.....lb. .0465- —
refrigeration, cyls., l.c.l., wks. lb. .16 - —
Sumac bark, 28%, grd., bgs., ex dock..ton.85.00 - —
Extract, No. 1, bbls.....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .14½- —
Leaves, 30%, bgs., ex dock...ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baito unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla..unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.50 - 1.70

T

Talc, dom., ordinary, grd., c.l., New York, works..ton.21.00 - —
l.c.l., works.....ton.22.50 -24.50
Calif., bgs., c.l., works....ton.22.00 -30.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, New York, off-color, ground, bgs., works..ton.24.00 - —
l.c.l.....ton.26.50 -28.00
85.95-99.95%, grd., bgs., c.l., works..ton.21.00 - —
l.c.l., works.....ton.24.50 - —
98-99.5%, grd., bgs., c.l., works..ton.23.00 -28.00
l.c.l., works.....ton.27.00 -32.00
imp., Canada, grd., bgs., c.l..ton.35.00 -45.00
Tallow, inedible, extra, loose....lb. .08¼- —
fancy, loose.....lb. .08½- —
special, loose.....lb. .08 - —
sulphonated, 25%, dms.....lb. .06½- .07
50%, dms.....lb. .10½- .11
Tamarinds, bbls.....lb. .12 - .15
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 9.00 - —
Chicago.....unit-ton. 9.50 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton..No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls.....lb. .20 - .30
Tapioca flour, high grade, bgs....lb. .10½- .11¼
medium grades, bgs.....lb. .09 - .09¾
Java, bgs.....lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works..gal. .49 - —
l.c.l., works.....gal. .52 - —
tanks, works.....gal. .43 - —
25-27%, dms., c.l., works...gal. .60 - —
l.c.l., works.....gal. .63 - —
tanks, works.....gal. .54 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices.
powd., bgs., c.l., same basis.... long ton.225.00 Nom.
Tarragon herb, bgs.....lb. .45 - .50
Leaves, bgs.....lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .49 - —
dms.....lb. .50 - .54
USP, powd., bbls., dms., kgs..lb. .54 - .57
Terpin hydrate, com'l, bbls., c.l..lb. .24½- —
l.c.l.....lb. .25 - .25¼
USP, cryst., bbls., dms.....lb. .90 - .95
powd., bbls., dms.....lb. .95 - 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
prime, dms.....lb. .39 - .97
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .65 - 1.10
prime, cns., dms.....lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works..lb. .03 - .03¼
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20 - .21¼
smaller dms., works.....lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, dms., works....lb. .80 - —
Tetraethylenepentamine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks.....lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs.....lb. 5.25 - —
Salicylate, fib. dms.....lb. 5.00 - 5.25
with sodium acetate, fib. dms lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms.....lb. 3.15 - 3.50
Theophylline, bots., kgs.....lb. 7.60 - 7.75
Thiamine hydrochloride, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, tech., dms., works....lb. .40 - —
Thorium nitrate, cs., works.....lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs.....lb. .17½- .18
futures, bgs.....lb. .14¾- .15
Spanish, bls.....lb. .09½- .10
Thymol, USP, kgs.....lb. 3.65 - 3.75
Iodide, NF, dms.....lb. 6.50 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .97 - .98
Crystals, hydrous, bgs., bots., works..lb. .71½- —
Metal, Bolivian.....lb. 1.03 - —
Straits.....lb. 1.03 - —
Oxide, bbls.....lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd..lb. .19½- —
l.c.l., dlvd.....lb. .20 - .20½
plain, bgs., c.l., dlvd.....lb. .19½- —
l.c.l., dlvd.....lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
milled, bgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E.....lb. .22 - .22¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd..lb. .07½- .07¾
l.c.l., dlvd.....lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55-gal. dms..lb. .54½- .55
smaller, pkgs., works.....lb. .65 - 1.22
technical, 5-gal. dms., works..lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.75 - 3.50
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa.....gal. .24½- —
Birmingham, Ala.....gal. .23¼- —
Chicago district.....gal. .26½- —
Cleveland district.....gal. .26 - —
Dangerfield, Tex.....gal. .27 - —
Hamilton, Ohio.....gal. .25 - —
Johnstown, Pa.....gal. .23 - —
Lackawanna, N. Y.....gal. .26 - —
Philadelphia, Pa.....gal. .29 - —
Pittsburgh district.....gal. .23 - —
Sparrows Point, Md.....gal. .24½- —
St. Louis, Mo.....gal. .28 - —
Syracuse, N. Y.....gal. .27 - —
Terre Haute, Ind.....gal. .28 - —
Woodward, Ala.....gal. .25 - —
Wyandotte, Mich.....gal. .27 - —
Youngstown, Ohio....gal. .23½- .25
Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D.C., 30c. (3c.); Detroit, 30c. (1 8/10c.); E. Tenn., 30c. (4¼c.); La., 30c. (3¾c.); N. C., 30c. (4¼c.); N. E. 30c. (2¼c.); N. J., 30c. N. Y., 30c. (3c.); Pa., 30c. 3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

TITANOX
PIGMENTS
SERVE THE
FOLLOWING
FIELDS:

PAINT
PAPER
RUBBER
FLOOR COVERING
COATED FABRICS
PLASTICS
TEXTILE
CERAMICS
VITREOUS ENAMEL
GLASS
WELDING ROD
INK
LEATHER
BUILDING MATERIALS

brightens, whitens, tints...

RUBBER

■ The rubber industry is one of many fields TITANOX pigments serve. Here these titanium dioxide products successfully brighten and whiten stocks as well as create clear tints. This is possible because of their high refractive index and fine particle size. Their physical and chemical stability make them compatible with natural and synthetic rubbers as well as compounding ingredients.

If you have a pigmentation problem, let us help you solve it. Call or write our nearest office. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; 104 So. Michigan Ave., Chicago 3, Ill.; 2600 So. Eastern Ave., Los Angeles 22, Calif. Branches in all other principal cities.

®TITANOX
the brightest name in pigments

TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

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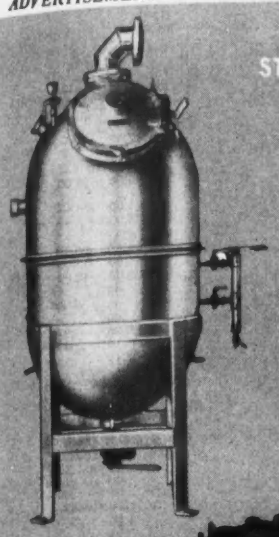
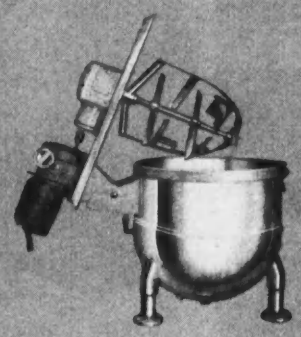
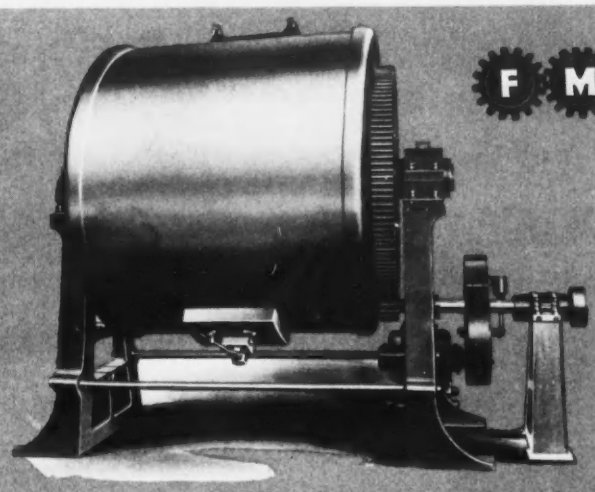


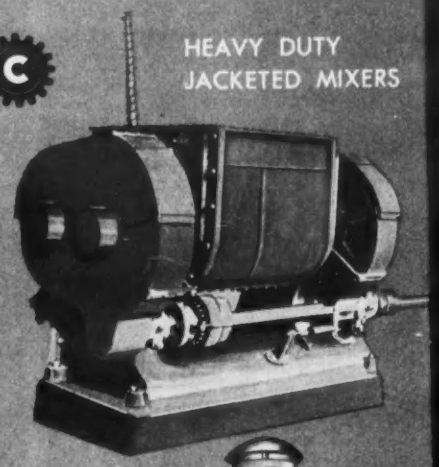
STAINLESS VACUUM PANS, KETTLES, TANKS



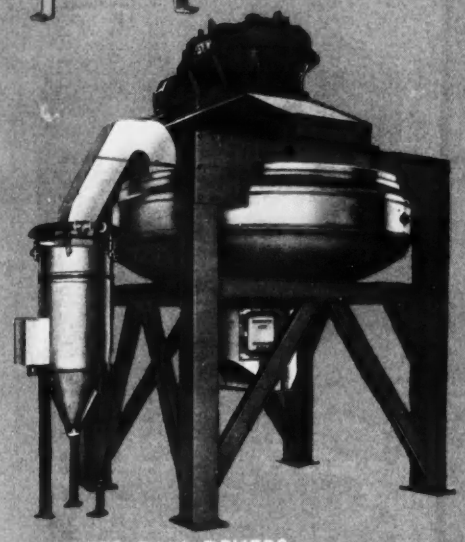


F M C

HEAVY DUTY JACKETED MIXERS



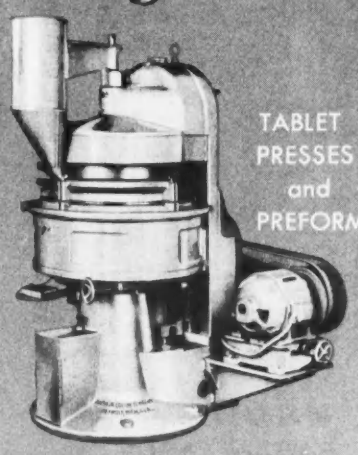
PEBBLE and BALL MILLS



STAINLESS PAN DRYERS

RIBBON TYPE DRY MIXERS

F M C



TABLET PRESSES and PREFORMERS

FIRST CONSIDER GOOD USED EQUIPMENT from FIRST

1 A.T.&M. 40" Stainless Centrifugal Imperforate basket, bottom discharge; 40 HP motor.

1 Bird 48" Solid Bowl Steel Centrifugal, suspended type plow and solid bottom discharge.

1 Bird Continuous Centrifugal Filter, 36" x 50".

3 Monel and Stainless 30" Stainless Centrifugal Extractors.

6 Tolhurst and A.T.&M. Copper Perforate basket Centrifugals up to 40".

12 DeLeval and Sharples Centrifugal Extractors, Separators and Clarifiers.

50 Shriver and Sperry Filter Presses, all sizes. Sweetland Filters, Nos. 5, 7, 10 and 12.

12 Oliver, Feinc, Kelly Filters from Lab. size to 11'6" x 18'; specifications on request.

4 Louisville Dewatering Presses, Model 3A.

30 Colloid Mills, Homogenizers, Viscolizers by Premier, Eppenbach, Manton Gaulin, Marco Flowmaster, Cherry Burrell, Union, Charlotte from ½ HP up to 50 HP.

25 Hammermills and Grinders by Williams, Jeffrey, Gruendler, Stedman, Raymond, Mikro, others.

4 Mikro Pulverizers, Bantam to No. 4's with motors.

15 Fitzpatrick Comminutors, Model D, in stainless.

1 New Triple Effect Long Tube Copper Evaporator, 3,100 sq. ft. Total number of tubes 336.

1 Buffalo Stainless Evaporator, single effect, 900 sq. ft. forced circulation, calandria type.

4 Pfaudler Glass Lined Vacuum Kettles, 500 gal., 2,500 gal. Jktd. or Unjktd. with agitators.

1 Stainless 550 gal. Jacketed and agitated reactor with Reflux and Tubular Condenser.

15 Autoclaves and Reactors in Cast iron, Steel, Stainless some with agitators and jackets.

3 Dopp 200 gal. Jacketed Kettles.

1 Dopploy 700 Gal. Jacketed and Agitated Pressure Kettle.

1 Aluminum 1300 gal. Jacketed and agitated Still.

3 Devine Vacuum Shelf Dryers, No. 11 — 40" x 43".

8 Single and Double Drum Atmospheric Dryers, from 2' x 3' to 5' x 12'.

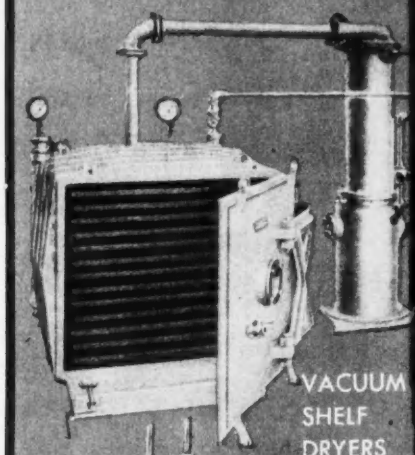
2 Bartlett & Snow Stainless Vac. Pan Dryers: 7'10" x 2'11".

1 Buflovak Nickel Rotary Vac. Dryer, 5' x 30'.

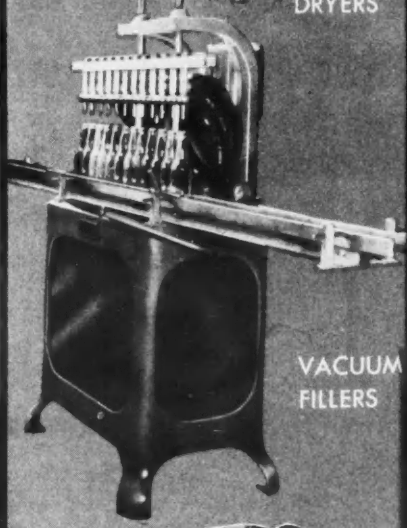
2 Struthers Wells Stainless Atmospheric Drum Dryers, 5' x 10'.

FIRST MACHINERY CORP.

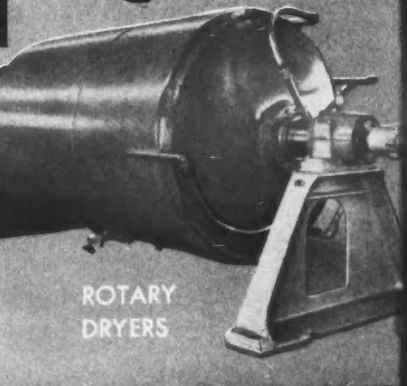
157 HUDSON ST. WORTH 4-5900 NEW YORK 13, N. Y.



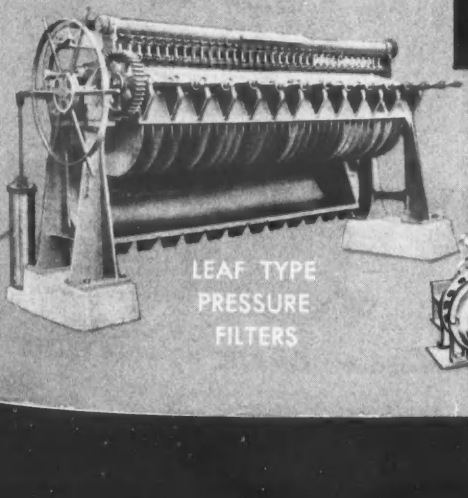
CENTRIFUGAL EXTRACTORS



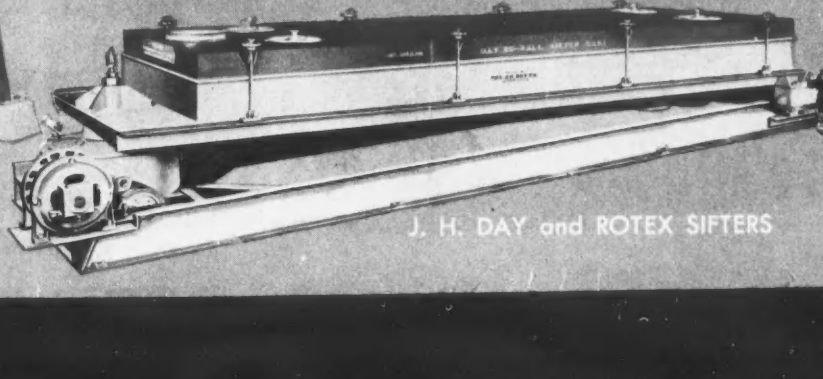
VACUUM SHELF DRYERS



VACUUM FILLERS



LEAF TYPE PRESSURE FILTERS



J. H. DAY and ROTEX SIFTERS

ROTARY DRYERS

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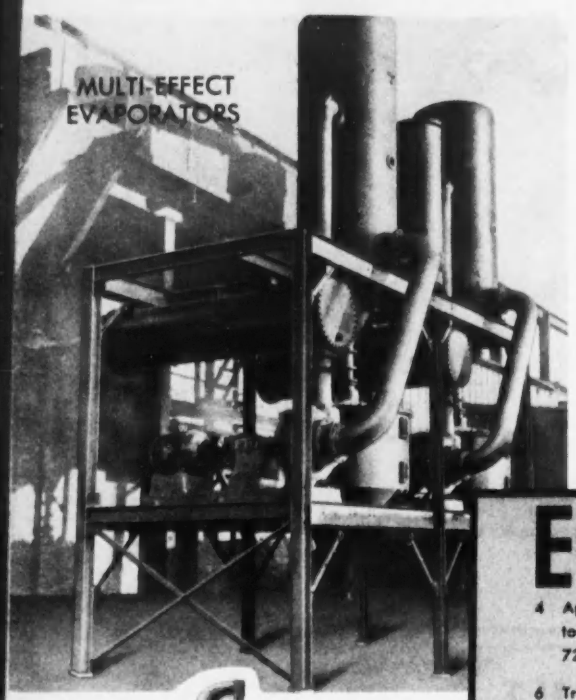
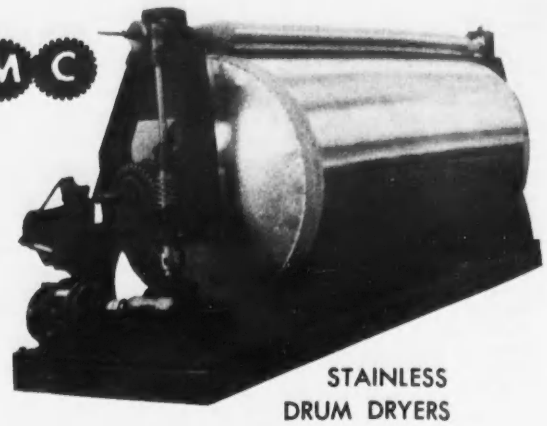


MULTI-EFFECT EVAPORATORS

STAINLESS LANCASTER MIXERS



STAINLESS DRUM DRYERS

EQUIPMENT YOU NAME IT WE'VE GOT IT

4 Apron Type conveyor Dryers by Proctor & Schwartz, Sargent, others up to 72'; single and multiple.

6 Truck and Tray Dryers, steam or electrically heated several sizes.

4 Louisville Steam Tube Dryers: 3' x 20'; 4'6" x 25'; 6' x 25'; 5'6" x 30', and 6' x 50'.

2 Huhn Steam Tube Dryers; 24" x 11'6" and 30" x 10'.

5 Hess and Hersey Dryers up to 23'.

8 Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper tinned, cast iron with heresite lining and steel accessories included.

50 Heavy Duty Horizontal Jktd. Mixers, with double arms, sigma or naben; geared both ends, tilting; 100 gals. working.

3 Baker-Perkins Jacketed Mixers, 10 gal., 50 gal., and 75 gal.; 2 Unjacketed S.S. Lab. size Mixers.

8 New and Rebuilt Tumbling Type Dry Mixers by Patterson, MacLellan, Gemco and others; all sizes.

1 Readco Stainless Double Arm Mixer, 142 gal. with 20 HP motor.

3 Lancaster Type EBG4 Counter Stainless Batch Mixers.

10 J. H. DayRo-Ball Sifters, screen size 40" x 84" and 40" x 120".

6 Tyler Hummer Screens, multiple separations, state size and type.

6 Tube and Rod Mills up to 21'.

5 Continuous Ball Mills, 3' x 3' up to Hardinge Conical Mill, 8' x 30'.

7 Pebble and Ball Mills, 24" x 30" to 6' x 8'.

10 Roller Mills Lab. size to 16" x 40", standard makes.

40 Tablet Machines and Preforming Presses by Stokes, Colton and Kux up to 50 ton; state requirements; single punch and rotary models.

14 Rubber Mills by Farrel - Birmingham, Erie and others from 24" to 84" some with motors and accessories.

4 Royle and National Extruders up to No. 4.

Large Stock of Packaging Equipment including:

Dry Powder Fillers by Stokes & Smith, Triangle, Pneumatic, Carter, Whiz, semi and fully automatic.

Labelling equipment by World, Ermold, Pneumatic, Standard, Knapp, Burt — for all types of containers.

Automatic Gluers, Sealers, Cartoners, Wrappers, etc.

Liquid Fillers of every type; tube and jar Filler, Closers in all standard makes.

Complete Plants for Sale: ready to operate; for

Rubber and Plastics
Brake Lining
Soaps-Detergents
Chemicals & Acids
Chewing Gum
Oil Extraction
Brewery-Distillery
Shoe Polishes
Vegetables- Fruits
Preserves-Juices
Latex Dipping

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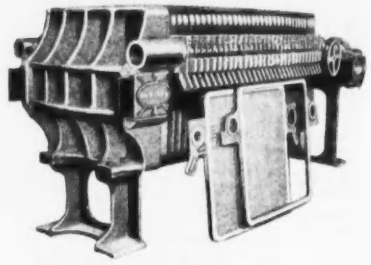
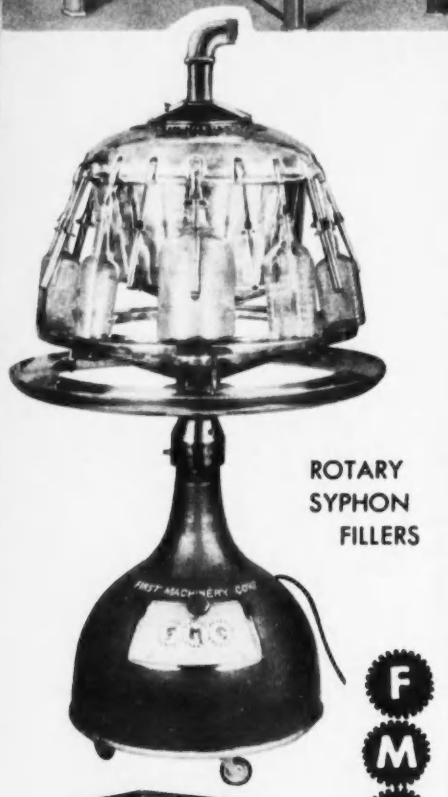
ROLLER MILLS

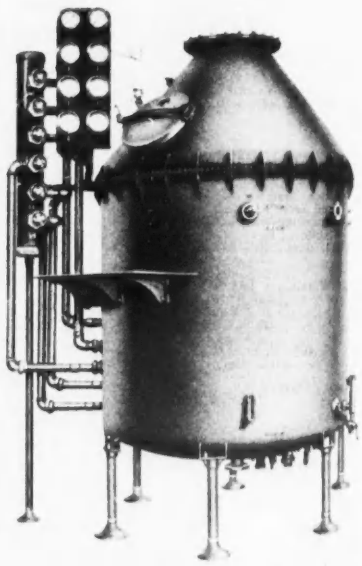


FILTER PRESSES

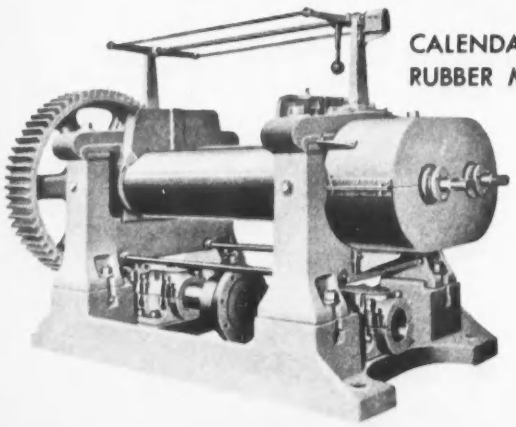


ROTARY SYPHON FILLERS

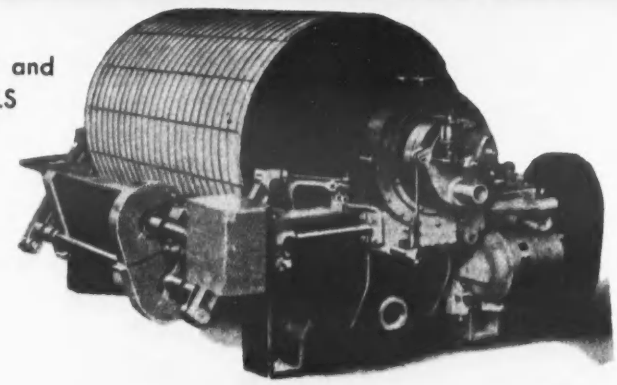
FITZPATRICK COMMINUTORS



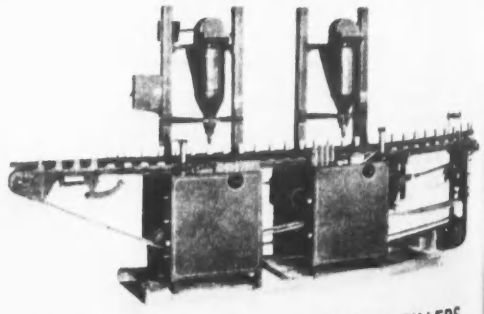
PFAUDLER GLASS LINED VACUUM PANS



CALENDARS and RUBBER MILLS



ROTARY VACUUM FILTERS



SEMI-and AUTOMATIC POWDER FILLERS

Tonga, 50% bark and vine, bls. . lb. .80 - .95
Tonka beans, Angostura, cks. . . . . lb. 1.75 - 1.80
Brazilian, cs . . . . . lb. .85 - .90
Surinam, cs . . . . . lb. .85 - .90
Toxaphene, dms., works, c.l. . . . . lb. .24 - —
truckloads, works . . . . . lb. .24 - —
ton to truckloads, works . . . . . lb. .27 - —
less than tons, works . . . . . lb. .30 - —
Totaquine, USP, 100-oz. lots . . . . . oz. .52 - —
Triacetin, dms., works . . . . . lb. .40½ - —
Tributyl citrate, dms . . . . . lb. .41 - .43
smaller containers . . . . . lb. .46 - .52
Phosphate, dms., c.l., frt. alld . lb. .56½ - —
l.c.l. . . . . lb. .57½ - —
smaller containers . . . . . lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works . . . . . lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. . . . . lb. .11 - —
tanks . . . . . lb. .08½ - —
Trichloroethane, dms., c.l., wks . lb. .12 - —
l.c.l., works . . . . . lb. .13 - —
tanks, works . . . . . lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½ - —
Zone 2 . . . . . lb. .11 - —
Zone 3 . . . . . lb. .11½ - —
zone 4 . . . . . lb. .11½ - —

Trichloroethylene dms., c.l., prices 1½c. higher l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W) Nev., Ore., Utah, Wash.

Triceresyl phosphate, coatiar, dms., c.l., dlvd lb. .38 - —
l.c.l., dlvd . . . . . lb. .39½ - —
tanks, dlvd . . . . . lb. .37 - —
petroleum, dms., c.l., dlvd lb. .38 - —
l.c.l., dlvd . . . . . lb. .38½ - —
tanks, dlvd . . . . . lb. .36½ - .37
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis . . . . . lb. .24 - —
tanks, same basis . . . . . lb. .21½ - —
Triethyl citrate, dms . . . . . lb. .34 - .36
smaller containers . . . . . lb. .39 - .45
Phosphate, dms., works, c.l . . lb. .38 - —
dms., l.c.l., same basis . . . lb. .39 - —
tanks, same basis . . . . . lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½ - —
l.c.l., same basis . . . . . lb. .21½ - —
tanks, same basis . . . . . lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
l.c.l., works . . . . . lb. .52 - —
tanks . . . . . lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100% lb. .29½ - .39½
25%-40% dms., c.l. works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .39½ - .39
tanks, works, basis 100% . . lb. .35 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .37 - .39
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald . . . . . lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works, lb. .0175 - —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, 6lb. ctns., works kilo. 207.00 - 242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works lb. 4.75 - —
Oxide, kgs., works . . . . . lb. 2.65 - —
Tumeric root, Alleppey, bls, futures, lb. .22 - .22½
Haitian . . . . . lb. .12½ - .13
Madras, bgs . . . . . lb. .19 - .20
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ref. dms., East . . . gal. .50 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis . . . . gal. .41 - .53
N. Y. whse . . . . . gal. .55 - —
steam-dist., dms. incl., c.l., works gal. .56 - —
l.c.l., ex whse., NYC . . . gal. .64 - —
tanks, works . . . . . gal. .34 - —
Tyrothricin, bots. . . . . gram. 1.15 - 1.25

U

Urethane, USP, dms . . . . . lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs . . . . . lb. 2.55 - —
yellow, kgs. . . . . lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks, lb. .04½ - —
l.c.l., works . . . . . lb. .04¾ - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 89.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 96.00 - —
paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 93.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 102.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va ton. 100.00 - —
C and D grades, same basis, ton. 93.50 - —
Uva ursi leaves, bls . . . . . lb. .11 - .12

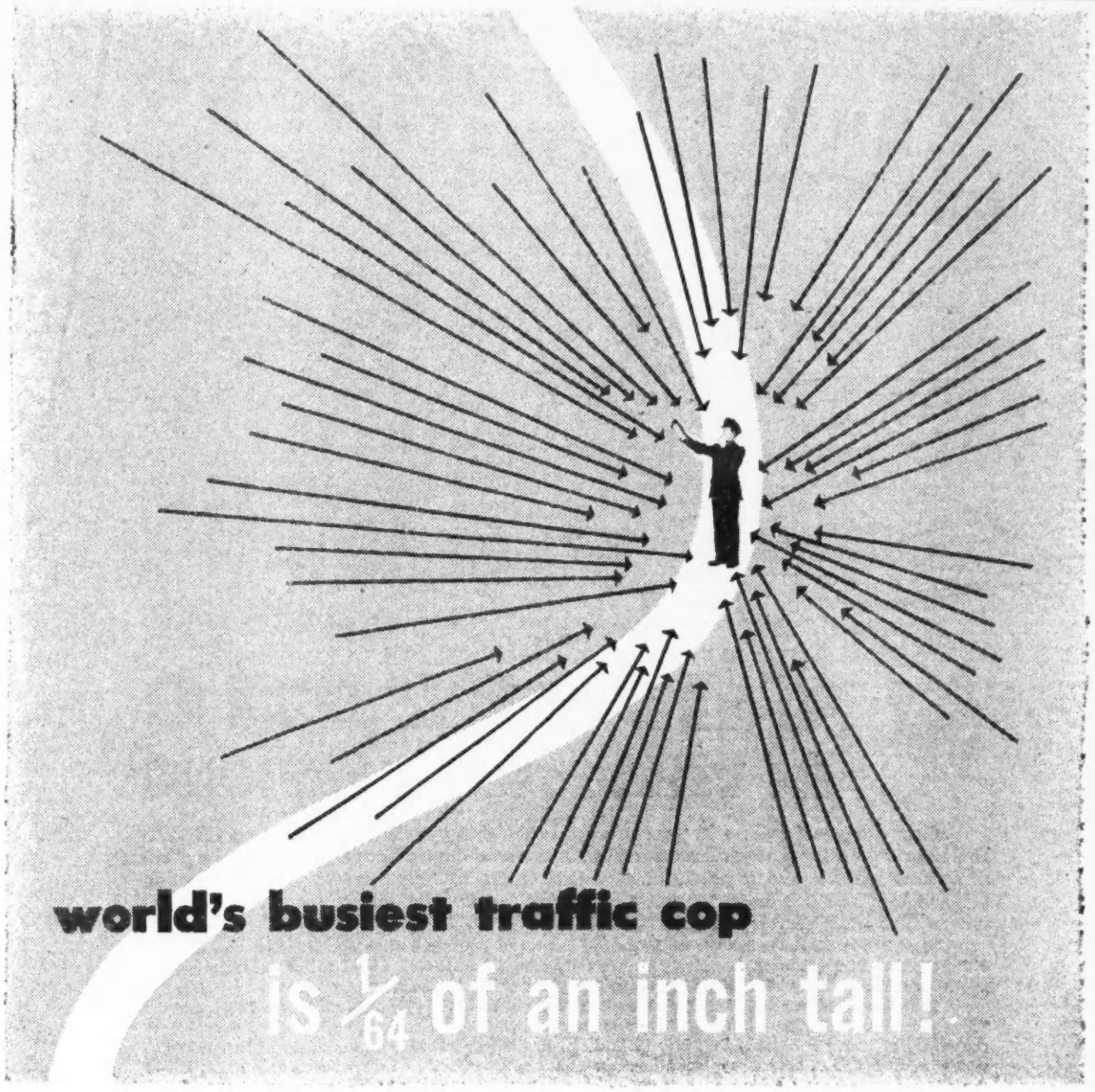
V

Valerian root, Belgian, NF, bls lb. .37 - .40
Indian, bls. . . . . lb. .32 - .34
Valine, dextro-laevo, dms., works lb. 22.50 - 27.50
Valonia beards, bgs., ex dock ton. 90.00 - Nom.
Cups, bgs., ex dock . . . . ton. 66.00 - Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½ - Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works . . . . . lb. 1.20 - —
Vanilla beans, Bourbon, tins . . . . lb. 5.25 - 5.50
Mexican, cuts, tins . . . . . lb. 4.50 - 4.75
whole, tins . . . . . lb. 5.00 - 6.00
Tahiti, tins . . . . . lb. 3.00 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots . . . . . lb. 4.05 - —
ex guaicol, tins, 25 lbs . . . . . lb. 3.00 - —
smaller lots . . . . . lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots . . . . lb. 3.00 - —
smaller lots, tins . . . . . lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½ - .17½
5-gal. cns., works . . . . . lb. .20 - —
tanks, works . . . . . lb. .15 - —
Tri-chloride (see Trichloroethane)
Vinylpyridin, ret. dms., works . lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill. units. .04 - —
1 billion USP units mill. units. .05 - —
100 million USP units mill. units. .07 - —

Vitamins, A concentrate, dms., wks. mill. units. 36 - 40
B, (see Thiamine hydrochloride).
B (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls. . . . . lb. 1.80 - 1.85
Tree bark, bls . . . . . lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 83.00 - —
merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. 08½ - —
tanks, works . . . . . lb. 08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09¼ - .09⅝
S. Afr., 62% tannin, ex dock, duty extra lb. .09¼ - .09⅝
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs . . . . . lb. .52 - .55
Bees, bleached, USP, white, bricks, cs lb. .70 - .73
slabs, bgs . . . . . lb. .67 - .68
crude, African, bgs . . . . . lb. .54 - .55
western hemisphere, bgs lb. .54 - .55
refined, yellow, bricks, cs . . . lb. .59 - .61
slabs, bgs . . . . . lb. .58 - .60
Wax, candelilla, crude . . . . . lb. .53 - .57
refined, bgs . . . . . lb. .59 - .61
Powdered candelilla, 20 mesh, ac. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .64 - .65
North Country, No. 2, ton lots lb. .77 - .79
No. 3, crude, bgs., ton lots lb. .73 - .75
refined, bgs., ton lots . . . lb. .77 - .79
yellow, No. 1, bgs., ton lots lb. 1.02 - 1.07
No. 2 . . . . . lb. 1.00 - 1.05
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dom., 152°-156° m.p., bgs. lb. .77 - .79
133°-140° m.p., bgs . . . . . lb. .18 - .18¼
158°-162° m.p., bgs . . . . . lb. .22 - .23
Japan, bgs . . . . . lb. .06 Nom.
Microcrystanine, 170°-175° m.p., ASTM, amber, cns., 30 tons yearly contract, group 3, works lb. .14¾ - —
smaller lots, same basis lb. .15 - .16
black, cns., 30 tons, same basis lb. .13¾ - —
smaller lots, same basis lb. .13¼ - .14½
170°-175° m.p., ASTM, white, cns., 30 tons, same basis, lb. .25½ - —
smaller lots, same basis lb. .26 - .27
190°-195° m.p., ASTM, amber, cns., 30 tons, same basis, lb. .21¼ - —
190°-195° m.p., ASTM, black, cns., 30 tons, same basis lb. .19¾ - —
smaller lots, same basis lb. .20 - .21
white, cns., 30 tons, same basis lb. .34½ - —
smaller lots, same basis lb. .34½ - .35½
Wax, montan, crude, bgs . . . . lb. .30 - .34
lots lb. .64 - .65
Ouricury, crude, bgs., ton lots lb. .75 - Nom.
refined, bgs., ton lots . . . lb. .82 - .83
Ozokerite, fabricated, black, 160-190 m.p., bgs lb. .36 - .38
162-183 m.p., bgs . . . . . lb. .31 - .33
171-172 m.p., bgs . . . . . lb. .27 - .29
white, 178-183 m.p., bgs . . lb. .33½ - .34¼
170-172 m.p., bgs . . . . . lb. .28¾ - .29¼
yellow, 180-190 m.p., bgs . . lb. .46 - .50
162-183 m.p., bgs . . . . . lb. .43 - .45
178-183 m.p., bgs . . . . . lb. .26½ - .27¼
170-172 m.p., bgs . . . . . lb. .23¼ - .25
Spermaceti, blocks, cs . . . . . lb. .35 - .36
cake, cs . . . . . lb. .36 - .37
White lead (see Lead, white).
White pine bark, rossed, bls . . lb. .17 - .20
White precipitate, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons St. Louis, works ton. 11.00 - —
40 tons, N. Y. whse . . . ton. 19.00 - —
smaller lots St. Louis, works ton. 13.50 —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l ton. 14.50 - 27.50
200 mesh, bgs., c.l ton. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton. 14.50 —
gilders, cgs., c.l . . . ton. No prices.
putty grade, bgs., c.l ton. 13.00 —
surface treated, bgs., c.l., Ohio works ton. 30.00 —
Paris white, bgs., c.l. . . . . ton. 25.00 - 31.00
l.c.l. . . . . ton. 25.00 - 29.00
Precipitated, bgs., c.l. . . . . ton. 18.00 - 20.00
l.c.l. . . . . ton. 22.00 - 25.00



That thin band of paint running down the middle of the highway is the world's busiest traffic cop. It talks to motorists night and day, telling them when to stay on their own side of the road and when they may pass other cars. It saves lives, keeps traffic orderly on America's most heavily travelled highways.

To do its job right, it must cover asphalt perfectly, without "bleeding," so that it can be seen clearly at all times; it must not yellow or darken under sunlight, or wash away in rain, snow or sleet; it must dry rapidly without leaving tracks from speeding tires. Above all, it must be able to stand up under the grinding punishment of 50-ton trucks and trailers month after month without cracking or wearing away.

CSC butanol, butyl acetate and dibutyl phthalate help make America's highway markers the toughest as well as the busiest traffic cops in the world. In lacquer formulations these CSC solvents and plasticizers produce the smoother, tougher, easier-to-apply finishes that reflect your products' quality.

If you manufacture lacquers, we suggest that you re-evaluate your lacquer formulas and see what CSC butanol, butyl acetate and dibutyl phthalate are doing or can do for you.

CSC

COMMERCIAL SOLVENTS CORPORATION
17 East 42nd Street, New York 17, N. Y.

Wild Cherry Bark—Zirconium Oxychloride

Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .16 - .17
rossed, bls lb. .24 - .25
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls. lb. .16 - .17
Witch hazel leaves, bls lb. .15 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .15 - .16
Levant, bgs lb. 4.15 - 4.25
Wormwood bls. lb. .40 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald lb. .21¾- —
l.c.l., same basis lb. .22¼- —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, ret. dms., c.l., same basis gal. 1.56 - —
l.c.l., same basis gal. 1.59 - —
tanks, same basis gal. 1.50 - —
Xylidins, mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. .23¼- —
Chicago district gal. .26½- —
Cleveland district gal. .26 - —
Dangerfield, tex gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md gal. .26 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y gal. .27 - —
Terre Haute, Ind gal. .28 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .23½- .25

Prices on 3 to 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (3c.); Detroit, 30c. (1 8/10c.); E. Tenn., 30c. (4½c.); La., 30c. (3¾c.); N. C., 30c. (4¼c.); N. E., 30c. (2½c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. (3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

Y

Yara yara, cns. lb. 2.00 - 2.45
Yeast brewer's dry, 50 B units, per gram, 100 lb. dms lb. .46 - —
90 B units, per gram, 100 lb. dms lb. .51 - —
200 B units, per gram, 100 lb. dms lb. .55 - —
300 B units, per gram, 100 lb. dms lb. .59 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.55 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .34 - —

Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide natural, bgs., c.l., works lb. .01⅞- .02¾
l.c.l., works lb. .01⅞- .03¾
French type, bgs., c.l. lb. .04½- —
l.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼- —
Yellow mercury oxide, bbls., 1,000 lbs. lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .24½- —
Yellow dock root, bls. lb. .25 - .27
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .35 - .36
Yohimbine hydrochloride vls. oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms. lb. .47 - —
NF, dms lb. .42 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies lb. No stocks.
l.c.l., same basis lb. No stocks.
Borate, bgs., c.l., ship't. pt., frt. alld., E lb. .13½- .17
frt. alld. Pac. Coast lb. .16½- .19
l.c.l., ship't. pt., frt. alld. E lb. .14 - .17½
frt. alld. Pac. Coast lb. .18¼- .20¾
Carbonate, tech., rubber makers, bbls., works lb. .10¾- —
precip., powd., dms lb. .26 - —
Purified precip., dms lb. .37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 8.00 - —
l.c.l., works 100 lbs. 8.40 - —
gran., bbls., c.l., works 100 lbs. 8.75 - —
l.c.l., works 100 lbs. 9.15 - —
solution, 50%, dms., c.l., works, 100 lbs. 4.55 - —
l.c.l., works 100 lbs. 5.15 - —
tanks, works 100 lbs. 3.90 - —
NF, gran., dms lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .41 - —
Diethyldithiocarbamate, dms., wks. lb. 1.00 - —
Dust, bbls., c.l., works lb. .20¼- —
l.c.l., works lb. .21¼- —
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .19¾- —
l.c.l. lb. .20¼- —
Iodide, NF, jars lb. 4.85 - —
Laurate, bbls lb. .45 - .46
Linoleate, solid, 9½%, bbls lb. .51¾- —
Metal slabs, E. St. Louis lb. .17½- —
Naphthenate, liquid, 8% Zn., frt. alld lb. .21½- .22
10% Zn, dms., frt. alld lb. .26¾- .26¾
Oleate, bbls lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. .15½- —
l.c.l., works lb. .15¾- —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .15½- —
l.c.l., works lb. .15¾- —
leaded, 5% bgs., c.l., ship't point, frt. alld lb. .15½- —
l.c.l., works lb. .15¾- —
35%, bgs., c.l., ship't point, frt. alld lb. .17⅛- —
l.c.l., works lb. .17⅜- —
50%, bgs., c.l., ship't point, frt. alld lb. .17⅞- —
l.c.l., works lb. .18½- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .17¾- —
l.c.l., works lb. .18 - —
green seal, bgs., c.l., ship't point, frt. alld lb. .17¼- —
l.c.l., works lb. .17½- —
red seal, bgs., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., works lb. .17 - —
white seal, bgs., c.l., ship't point, frt. alld. lb. .17¾- —
l.c.l., works lb. .18 - —
USP, ctns., c.l., ship't point, frt. alld lb. .18¾- —
l.c.l., same basis lb. .19 - —
Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms lb. .28 - .29
powd., bbls. lb. .31 - .32
Resinate, fused, 1% Zn., dms., frt. alld lb. .20 - —
precip., dms., frt. alld lb. .23 - —
Silicofluoride, bbls., works lb. .10 - .10½
Stearate, tech., USP, ctns., 2,000 lbs. lb. .39 - —
smaller lots lb. .40 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 5.50 - —
l.c.l., same basis 100 lbs. 5.90 - —
flake, 25½% Zn, bgs., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.15 - —
powd., 36% Zn., bgs., c.l., dlvd., same basis 100 lbs. 8.50 - 8.75
l.c.l., same basis 100 lbs. 9.50 - —
Zinc sulphate in bbls. 40c. higher.
Sulphide, pure, bgs., c.l., dlvd lb. .13½- —
lb. .13½- —
l.c.l., works lb. .13¾- —
Barium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works lb. .08¼- —
Calcium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works lb. .08¼- —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb. .08 - —
l.c.l., dlvd lb. .08¼- —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Yellow (see Yellow, zinc)
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .24½- .25½
normal, dms., works lb. .43 - .45
Zircon (see Zirconium silicate).
Zirconium acetate, solution, bbls., works lb. .25½- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride, cns., works lb. 7.00 - —
Nitrate, dms., works lb. 1.75 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb. .44½- .48
1 ton or less, works lb. .45 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½- .63
1 ton or less, works lb. .60 - —
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —

USE

Chlordane

IN YOUR FORMULATIONS

Guard against failure in your market areas this year by incorporating CHLORDANE into your fly sprays. According to reports and probabilities, your fly spray formulations will require a powerful new toxicant to kill flies in '49. That toxicant is CHLORDANE. It has been proven effective in the field in this country and abroad, where flies have developed resistance to DDT.

Reports from 25 states indicate an increasing number of houseflies showing DDT-resistance. In parts of Italy, where DDT was used extensively for two full years before it was offered to the American public, this failure to completely eliminate flies after a few years of use is especially significant.

Professor A. M. Missiroli, Director of the Laboratory of Malariology and Parasitology, Rome, reports: "Two years ago DDT killed all flies, last year killed some, and this year, also with DDT applications, there are plenty of flies. On a farm, Octa-Klor (Chlordane) has been used in the barn and not in the house, which is just beside it. Flies disappeared from the barn and also from the house, which before was full of them."

Wherever houseflies are encountered—in the barn, on dairy cattle, in homes and institutions—CHLORDANE gives complete control.

Chlordane-DDT COMBINATION

For those formulators interested in obtaining all possible benefits of DDT, in areas where fly-resistance to this toxicant has not been evidenced, we suggest the CHLORDANE-DDT combination for the ultimate in fly control insurance. Write for formulating instructions for CHLORDANE fly-killing sprays, or for sprays in which DDT and CHLORDANE are combined.

Julius **HYMAN** *& Company*

DENVER, COLORADO

Manufacturers of OCTA-KLOR* Technical Chlordane

EASTERN SALES OFFICE
11 West 42nd Street
New York 18, N. Y.

WESTERN SALES OFFICE
9 Main Street
San Francisco 5, Calif.

*Trade Mark Registered U. S. Pat. Off.

Zirconium silicate, granular, bgs., c.l., works..lb. .03¼- .03¾
10 tons, works.....lb. .03¼- .04
5 tons, works.....lb. .04 - —
1 ton or less, works.....bl. .04¼- .04¾
milled, bgs., c.l., works.....lb. .04¾- —
5 tons, works.....lb. .05¼- —
1 ton or less works.....lb. .05¾- .06¾
refined, bgs., c.l., works.....lb. .11 - —
5 tons, works.....lb. .11½- —
1 ton or less, works.....lb. .12 - .16
Sulphate, cryst., ctns., c.l., works lb. .37½- —
5 tons, works.....lb. .38 - —
1 ton or less, works..lb. .38½- .39

Synthetic Resins and Branded Paint Materials
(Manufacturers' List Prices)

A

ABALYN (see Methyl abietate in Current Market Quotations).

ACRYLOID resins, A-10, 30% solids content, c.l., frt. alld., district 1..lb. .40 - —
l.c.l., same basis.....lb. .40½- —
A-101, 40% solids content, c.l., same basis..lb. .43- —
l.c.l., same basis.....lb. .43½- —
B-7, 20% solids content, c.l., same basis..lb. .32¼- —
l.c.l., same basis.....lb. .32¾- —
B-72, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis.....lb. .42½- —
C-10, 20% solids content, c.l., same basis..lb. .49 - —
l.c.l., same basis.....lb. .49½- —
C-10 LV, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis.....lb. .42½- —
F-10, 40% solids content, c.l., same basis..lb. .46 - —
l.c.l., same basis.....lb. .46½- —

Prices are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings.

ACRYSOL resins, C-9, 40% solids content, c.l., frt. alld., district 1..lb. .39 - —
l.c.l., same basis.....lb. .39½- —
ER, 50% solids content, c.l., f.o.b. Bristol, Pa..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
MR, 50% solids content, c.l., same basis..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
WA-5, 40% solids content, c.l., same basis..lb. .41 - —
l.c.l., same basis.....lb. .41½- —

Prices on Acrysol C-9 are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming.

ALKYDOL resins, S-79, ret. dms., c.l., dlvd., zone 1..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1001, ret. dms., c.l., same basis.lb. .33 - —
l.c.l., same basis.....lb. .33½- —
S-1004-A, ret. dms., c.l., same basis. lb. .20½- —
l.c.l., same basis.....lb. .21 - —
S-1008-A, ret. dms., c.l., same basis. lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1010-A, ret. dms., c.l., same basis. lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1061, ret. dms., c.l., same basis.lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1061-B, ret. dms., c.l., same basis. lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1061-C, ret. dms., c.l., same basis. lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1069-A, ret. dms., c.l., same basis. lb. .15½- —
l.c.l., same basis.....lb. .16 - —
S-1079, ret. dms., c.l., same basis.lb. .34 - —
l.c.l., same basis.....lb. .34½- —
S-1103, ret. dms., c.l., same basis.lb. .23 - —
l.c.l., same basis.....lb. .23½- —
S-1112-B, ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis.....lb. .23½- —
S-1116-A, ret. dms., c.l., same basis. lb. .21 - —
l.c.l., same basis.....lb. .21½- —
S-1123, ret. dms., c.l., same basis.lb. .26½- —
l.c.l., same basis.....lb. .27 - —
S-1134-A, ret. dms., c.l., same basis. lb. .23¼- —
l.c.l., same basis.....lb. .23¾- —
S-1147, ret. dms., c.l., same basis.lb. .22½- —
l.c.l., same basis.....lb. .23 - —
S-1149, ret. dms., c.l., same basis.lb. .29 - —
l.c.l., same basis.....lb. .29½- —
S-1151, ret. dms., c.l., same basis.lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
S-1155, ret. dms., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —
S-2008, ret. dms., c.l., same basis.lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-2025, ret. dms., c.l., same basis.lb. .23½- —
l.c.l., same basis.....lb. .24 - —
S-2047, ret. dms., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —

Tankcar prices 1c. per lb. below c.l. quotations. Charge for 55-gal. dms., $6 each.

AMBERLAC resins, 80-X, 70% solids content, ret. dms., c.l., frt. alld., district 1..lb. .30 - —
l.c.l., same basis.....lb. .30½- —
80-MT, 50% solids content, ret. dms., c.l., same basis..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
81-X, 70% solids content, ret., dms., c.l., same basis..lb. .29½- —
l.c.l., same basis.....lb. .30 - —
B-94, 85% solids content, ret. dms., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .31½- —
D-96, ret. dms., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .34½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AMBEROL, resins, 226, fiber ctns., c.l., frt. alld., district 1..lb. .26 - —
l.c.l., same basis.....lb. .26½- —
750, fiber ctns. c.l., same basis..lb. .33 - —
l.c.l., same basis.....lb. .33½- —
800, light, fiber ctns., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
801, extra light, fiber ctns., c.l., same basis..lb. .20¼- —
l.c.l., same basis.....lb. .20¾- —
801, light, fiber ctns., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .20½- —
801-P, fiber ctns., c.l., same basis. lb. .20 - —
l.c.l., same basis.....lb. .20½- —
806-P, fiber ctns., c.l., same basis. lb. .21 - —
l.c.l., same basis.....lb. .21½- —
808, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
820, fiber ctns., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —
925, fiber ctns., c.l., same basis.lb. .20¾- —
l.c.l., same basis.....lb. .21¼- —
926, fiber ctns., c.l., same basis lb. .19½- —
l.c.l., same basis.....lb. .20 - —
B/S, light, fiber ctns., c.l., same basis..lb. .18½- —
l.c.l., same basis.....lb. .19 - —
B/S-1, extra light, fiber ctns., c.l., same basis..lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
F-7, extra light, fiber ctns., c.l., same basis..lb. .20¾- —
l.c.l., same basis.....lb. .21¼- —
F-7, light, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —

AMBEROL resins, F-7, dark, fiber ctns., c.l., same basis..lb. .20¼- —
l.c.l., same basis.....lb. .20¾- —
F-71, fiber ctns., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —
F-77, fiber ctns., c.l., same basis. lb. .20½- —
l.c.l., same basis.....lb. .21 - —
K-12A, fiber ctns., c.l., same basis. lb. .23 - —
l.c.l., same basis.....lb. .23½- —
M-21, fiber ctns., c.l., same basis lb. .20½- —
l.c.l., same basis.....lb. .21 - —
M-25, fiber ctns., c.l., same basis lb. .24 - —
l.c.l., same basis.....lb. .24½- —
M-82, fiber ctns., c.l., same basis. lb. .21½- —
l.c.l., same basis.....lb. .22 - —
M-88, fiber ctns., c.l., same basis. lb. .23 - —
l.c.l., same basis.....lb. .23½- —
M-93, fiber ctns., c.l., same basis. lb. .24 - —
l.c.l., same basis.....lb. .24½- —
ST-137, fiber ctns., c.l., same basis. lb. .24 - —
l.c.l., same basis.....lb. .24½- —
ST-137X, fiber ctns., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming.

AQUAPLEX resin, S-7, ret. dms., c.l., frt. alld., district 1..lb. .23 - —
l.c.l., same basis.....lb. .23¼- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AROCLORS, distilled, dms., c.l., works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works..lb. .13½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

BAKELITE resins, BR-254, dms., 36,000 lbs., dlvd..lb. .42 - —
l.c.l. same basis.....lb. .42¼- .43
2175, dms., 36,000 lbs., same basis..lb. .39½- —
l.c.l. same basis.....lb. .39¾- .40¼
3360, dms., 36,000 lbs., same basis..lb. .40 - —
l.c.l., same basis.....lb. .40¼- .41
4036, dms., 36,000 lbs., same basis..lb. .40 - —
l.c.l., same basis.....lb. .40¼- .41
9367, dms., 36,000 lbs., same basis..lb. .26 - —
l.c.l., same basis.....lb. .26¼- .27
9400, dms., 36,000 lbs., same basis..lb. .34 - —
l.c.l., same basis.....lb. .34¼- .35

OUR NEW TALC PLANT

Gouverneur Talc Co. Gouverneur, N. Y.

"NYTAL" 300—

A Super-smooth talc

Many primers and finishes require fineness of 4 or better.

Ordinary talc costs many mill hours to grind down the inert.

With NYTAL 300 production time is cut at least in half.

In one actual case mill time was cut from 20 to 8 hours.

R. T. VANDERBILT CO. INC.

230 Park Avenue, New York 17, N. Y.

BAKELITE resins, 9432, dms., 36,000 lbs., same basis lb. .33 - —
l.c.l., same basis lb. .33¼- .34
10282, dms., 36,000 lbs., same basis lb. .34½- —
l.c.l., same basis lb. .34¾- .35½
11544, dms., 36,000 lbs., same basis lb. .26½- —
l.c.l., same basis lb. .26¾- .27½
14634, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
15775, dms., 36,000 lbs., same basis lb. .26 - —
l.c.l., same basis lb. .26¼- .27
17620, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
17920, dms., 36,000 lbs., same basis lb. .49 - —
l.c.l., same basis lb. .49¼- .50
BV-1600, dms., 36,000 lbs., same basis lb. .31½- —
l.c.l., same basis lb. .31¾- .32½
9700-S, dms., 36,000 lbs., same basis lb. .25 - —
l.c.l., same basis lb. .25¼- .26
10673, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
BK-3962, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
16624, dms., 36,000 lbs., same basis lb. .29½- —
l.c.l., same basis lb. .29¾- .30½
KR-3180, dms., 36,000 lbs., same basis lb. .70 - —
l.c.l., same basis lb. .70¼- .71
4357, dms., 36,000 lbs., same basis lb. .72 - —
l.c.l., same basis lb. .72¼- .73
BJ-15406, dms., 36,000 lbs., same basis lb. .36 - —
l.c.l., same basis lb. .36¼- .37

Shipments are made to delivery point of carrier nearest buyer's point of destination within the United States, as specified on buyer's order. Method of delivery at seller's option.

BECKACITE resins, 1100, dms., incl., c.l., dlvd. zone 1 and 2 lb. .19 - —
l.c.l., same basis lb. .19½- —
1102, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1106, dms. incl., c.l., same basis lb. .18½- —
l.c.l., sae basis lb. .19 - —
1110, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1111, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1112, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1113, dms. incl., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
1114, dms. incl., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
1116, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1120, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1123, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1124, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
1126, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKAMINE resins, P-138, dms. incl., c.l., dlvd. zones 1 and 2 lb. .26 - —
l.c.l., same basis lb. .26½- —
P-196, dms. incl., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
•P-198, dms. incl., c.l., same basis. lb. .26 - —
l.c.l., same basis lb. .26½- —
•P-342, dms. incl., c.l., same basis. lb. .08½- —
l.c.l., same basis lb. .09 - —
P-354, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
P-364-A, dms. incl., c.l., same basis. lb. .13¼- —
l.c.l., same basis lb. .13¾- —
P-426, dms. incl., c.l., same basis lb. .09 - —
l.c.l., same basis lb. .09½- —
P-468, dms. incl., c.l., same basis lb. .17¾- —
l.c.l., same basis lb. .18¼- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing. •Tankcar quantities not available.

BECKOLIN resins, 17 dark, dms., incl., c.l., dlvd., zones 1 and 2 lb. .23 - —
l.c.l., same basis lb. .23½- —
27 light, dms. incl, c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
P-500, dms. incl., c.l., same basis. lb. .15 - —
l.c.l., same basis lb. .15½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKOPOL resin, 1400, dms. incl., c.l., dlvd., zones 1 and 2 lb. .25½- —
l.c.l., same basis lb. .26 - —

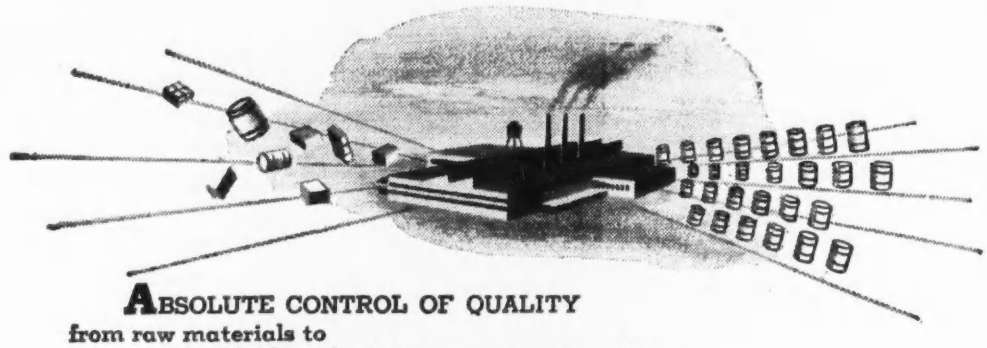
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKOSOL resins, semi-solid, 7-85, 85% solids content, dms. incl., c.l., dlvd., zones 1 and 2 lb. .28 - —
l.c.l., same basis lb. .28½- —
31-85, 85% solids content, dms., incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
70-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
96-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —

BECKOSOL resins, solid, 1, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
3, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
7, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
8, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
13, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
18, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
19, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
23, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
24, 100% solids content, dms. incl., c.l., same basis lb. .48 - —
l.c.l., same basis lb. .49 - —
31, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
34, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
40, 100% solids content, dms. incl., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .29 - —
70, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —
96, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
P-531, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —

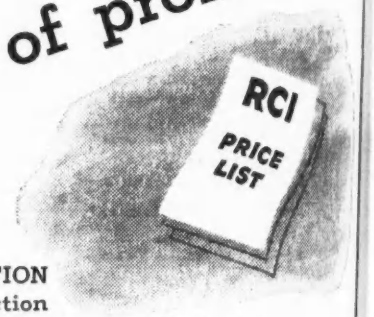
BECKOSOL resins, solution, 1, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1303, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL, dms., incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL-HV, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 Lt., dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
1308, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1313 EL, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
1313 Lt, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1316, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1319, dms. incl., c.l., same basis. lb. .24 - —
l.c.l., same basis lb. .24½- —
1320, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1323 EL, dms., incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1323 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1325, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —
1326, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —

BECKOSOL resins, solution, 1331-60 EL, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21¼- —
1331-60 Lt., dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1334 EL, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1334 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1337, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
1338, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1340, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
1341, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1940, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1941, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1945, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-27, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-271, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
P-296, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-322, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —

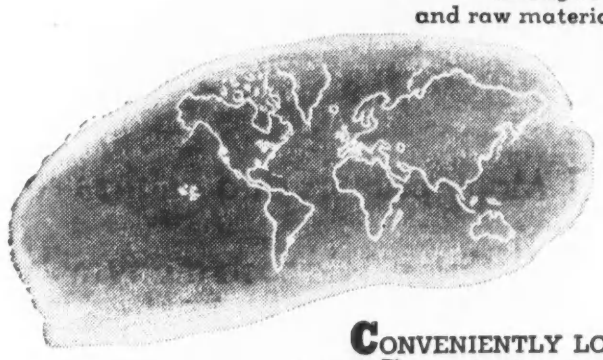


ABSOLUTE CONTROL OF QUALITY
from raw materials to finished product. Long a major producer of glycerine and phenol, RCI recently opened its own maleic anhydride plant, while another phthalic anhydride plant—nearly tripling RCI production of this item—is now in operation. Quality is standardized at the start to ease and simplify your production of finished products.

the ABC's of profitable pu



BETTER PRICE PROTECTION
through huge production and raw material control. RCI produces more alkyd resins than all competitors combined and is a major producer of other types of synthetic resins, as well as chemical pigment colors. The result is a consistently low price policy which you can "bank on" in setting your own prices.



CONVENIENTLY LOCATED PLANTS,
warehouses and sales offices. RCI's policy of decentralization has resulted in a nationwide and worldwide spread of its facilities. You get what you want when you want it, because RCI offers you both a complete line of quality products in many grades and fast service on your orders.

Any way you figure your best buy is RCI

BECKOSOL resins, solution, P-323, dms. incl. c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
P-366, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-372, dms. incl., c.l., same basis. lb. .25 - —
l.c.l., same basis lb. .25½- —
P-376, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-381, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-421, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-430, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-443, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-450, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-470, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
P-470-60, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
P-471, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-505, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-524, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-525, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —

BECKOSOL, resins, solution, P-526, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
P-527, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-528, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-529, dms. incl., c.l., same basis. lb. .18½- —
l.c.l., same basis lb. .19 - —
P-531, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-546, dms. incl., c.l., same basis. lb. .16½- —
l.c.l., same basis lb. .17 - —
P-584, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-593, dms incl., c.l., same basis. lb. .14 - —
l.c.l., same basis lb. .14½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. Semi-solids and solids are not available in tankcar quantities. For solutions in tankcars, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. per lb. to the l.c.l. listing on liquid materials and 3c. per lb. on solid resins.

BEETLE, 212-9, dms., c.l., frt. alld. E lb. .40½- —
l.c.l., same basis lb. .41 - —
216-8, c.l., frt. alld lb. .30 - —
l.c.l., same basis lb. .30½- —

BEETLE, 219-8, c.l., frt. alld lb. .26 - —
l.c.l., same basis lb. .26½- —
227-8, c.l., frt. alld lb. .26 - —
l.c.l., same basis lb. .26½- —
230-8, c.l., frt. alld lb. .34½- —
l.c.l., same basis lb. .35 - —
592-8, c.l., frt. alld lb. .30½- —
l.c.l., same basis lb. .31 - —
Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

C

CELLOLYN 102, non-ret dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
103, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —
95, c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
T-501, c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

CUMAR resins AX, viscous, net weight lb. .07½- —
CX, solid, gross weight lb. .07 - —
EX, dark, solid, color 17-22, gross weight lb. .06 - —
light, solid, color 12-16, gross weight lb. .06½- —
FX, solid, gross weight lb. .07 - —
MH 1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
2½ and 3, solid, net weight lb. .11½- —
9, solid, net weight lb. .10 - —
P-10*, viscous, net weight lb. .12 - —
P-25*, viscous, net weight lb. .12 - —
RH, solid, net weight lb. .12 - —
S, solid, gross weight lb. .13 - —

CUMAR resins, T 3, solid, gross weight lb. .10¾- —
3-3, solid, gross weight lb. .11¼- —
5, solid, gross weight lb. .10¼- —
5-2, solid, gross weight lb. .10½- —
5-3, solid, gross weight lb. .11 - —
6, solid, gross weight lb. .09¾- —
15, solid, gross weight lb. .06½- —
V ½, flaked, net weight lb. .15 - —
1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
W, ½, flaked, net weight lb. .15½- —
1, flaked, net weight lb. .14½- —
1½ and 2, flaked, net weight lb. .13½- —
2½, flaked, net weight lb. .12½- —
Prices apply to full standard drums only, f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh.

CYCLOPOL S101-1, dms., c.l., frt. alld lb. .23 - —
l.c.l., same basis lb. .23½- —

D

DAREX copolymer resins, 3, pkgs., c.l. (40,000 lbs.), f.o.b. Cambridge, Mass. lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - —
X 34, pkgs., c.l. (40,000 lbs.), same basis lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - —
X 43, pkgs., c.l. (40,000 lbs.), same basis lb. .36 - —
1 to 19 tons, same basis lb. .37 - —
less than ton lots, same basis lb. .38 - —
Copolymer latices, 3-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
9-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
X 34-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
X 44-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
Polymer emulsions, X52L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
X53L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
X56L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .35½- —
5-bbl. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
X58L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .39½- —
5-bbl. lots, same basis lb. .42 - —
smaller lots, same basis lb. .43 - .50
X60L-1500, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
Prices of polymer emulsions and copolymer latices are quoted per lb. of total solids.

DOW resin 276, V-2 and V-9, 55-gal. drums, c.l., works lb. .24 - —
l.c.l., same basis lb. .24½- —
5 and 10-gal. drums, same basis lb. .30 - —

DOW CORNING silicone resins DC-801, 5-10-gal. cans, net wgt., 8.4 lbs per gal., f.o.b. ship't pt., frt. prepaid gal.19.40 - —
30-50 gals., dms gal.18.65 - —
DC-802, 5-10 gals., same basis gal.19.40 - —
30-50-gal., dms., same basis gal.18.65 - —
DC-803, 5-10 gals., same basis gal.15.70 - —
30-50-gal. dms., same basis gal.15.10 - —
DC-804, 5-10 gals., same basis gal.19.40 - —
30-50-gal. dms., same basis gal.18.65 - —
DC-993, 50% solids, 5-10 gals., same basis gal.15.50 - —
30-50-gal. dms., same basis gal.14.90 - —
DC-993, 70% solids, 5-10 gals., net wgt., 9 lbs. per gal., same basis gal.23.25 - —
30-50-gal. dms., same basis gal.22.40 - —
DC-996, 5-10 gals., net wgt., 8.4 lbs. per gal., same basis gal.15.50 - —
30-50-gal. dms., same basis gal.14.90 - —
DC-2103, 5-10 gals., net wgt., 9 lbs. per gal., same basis gal.19.90 - —
30-50-gal. dms., same basis gal.19.15 - —
DURAPLEX resins, A-27, 60% solids content, ret. dms., c.l., frt. alld., district 1 lb. .26 - —
l.c.l., same basis lb. .26½- —
A-29, 60% solids content, ret. dms., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½- —
AL-210L, 100% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
C-45 HV, 60% solids content, ret. dms., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
C-45 HV, 100% solids content, ret. dms., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .44¾- —
C-45 LV, 100% solids content, ret. dms., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .44¾- —
C-49, 60% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
C-49, 100% solids content, ret. dms., c.l., same basis lb. .48 - —
l.c.l., same basis lb. .48¾- —
C-55, 50% solids content, ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
D-65A, 60% solids contents, ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
D-65A, 70% solids content, ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
D-65A, 85% solids content, ret. dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —
DX-656, 50% solids content, ret. dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
ND-77B, 60% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
ND-78, 80% solids content, ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
ND-78N, 60% solids content, ret. dms., c.l., same basis lb. .26½- —
l.c.l., same basis lb. .27 - —
Prices are f.o.b. Bridesburg, Philadelphia, P... with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. Tankcar deliveries are priced ... per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

purchasing point to

RCI

for all your

Surface Coating Resins
and
Chemical Colors

The old stock market axiom about buying low and selling high applies with equal force to your operations. *But with this important difference!* Buying raw materials at the right price is not enough. Quality must be right. Delivery must be right. For your own price and production planning, you must be sure that your raw material supplier is big enough, stable enough and sufficiently concerned in your welfare to meet *all* your requirements *all the time.*

The present and future of RCI depends entirely on your prosperity—for RCI manufactures no end products or "consumer goods." Every resource is pointed toward supplying you with basic raw materials at a quality and price that will build your reputation, simplify your production, and increase your margin of profit. Get the facts . . . and let your own good judgment prove that it pays to do business with a specialist as big and experienced as RCI.

Any way you figure—your best buy is RCI.

REICHHOLD CHEMICALS, INC.

RCI

General Offices and Main Plant, Detroit 20, Michigan

Other Plants:
Brooklyn, New York • Elizabeth, New Jersey • South San Francisco, California • Seattle, Washington • Tuscaloosa, Alabama
Liverpool, England • Paris, France • Sydney, Australia • Zurich, Switzerland • Milan, Italy • Buenos Aires, Argentina

SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

DYAL resins, 1, 50% solids content, dms. incl., c.l., works lb. .20½- —
l.c.l., same basis lb. .21 - —
6, 50% solids content, dms. incl., c.l., same basis lb. .16 - —
l.c.l., same basis lb. .16½- —
7, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
8, 60% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
9, 50% solids content, dms. incl., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
16, 70% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
19, 55% solids content, dms. incl., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
26, 50% solids content, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
37, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
62, 50% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
66, 60% solids content, dms. incl., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
75, 50% solids content, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
78, 50% solids content, dms. incl., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25 - —
83, 70% solids content, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —

DYAL resins, 84, 70% solids content, dms. incl., c.l., same basis, lb. .30 - —
l.c.l., same basis lb. .30½- —
86, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
93, 70% solids content, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
99, 50% solids content, dms. incl., same basis lb. .19¾- —
l.c.l., same basis lb. .20¼- —
116, 90% solids content, dms. incl., c.l., same basis lb. .34½- —
l.c.l., same basis lb. .35 - —
156, 100% solids content, dms., incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .32½- —

Tankcar prices are 1c. per lb. below c.l. quotations. Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Add ½c. per lb. for 30-gal. dms.; 5-gal. pails, 1c. per lb. additional.

DYMAL resins, 79, fiber ctns., net wgt., c.l., works lb. .31 - —
l.c.l., same basis lb. .31½- —
149, fiber ctns., net wgt., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
218, fiber ctns., net wgt., c.l., same basis lb. .22½- —
l.c.l., same basis lb. .23 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENE resins, 5, fiber ctns., net wgt., c.l., works lb. .39½- —
l.c.l., same basis lb. .40 - —
7, fiber ctns., net wgt., c.l., same basis lb. .37½- —
l.c.l., same basis lb. .38 - —
8, fiber ctns., net wgt., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½- —
0, fiber ctns., net wgt., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½- —
0, fiber ctns., net wgt., c.l., same basis lb. .37½- —
l.c.l., same basis lb. .38 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah; Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENITE resins, 79, fiber ctns., net wgt., c.l., works lb. .29½- —
l.c.l., same basis lb. .30 - —
130, fiber ctns., net wgt., c.l., same basis lb. .25¼- —
l.c.l., same basis lb. .25¾- —
133, fiber ctns., net wgt., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs., or more, 1c. per lb. additional; 50-99 lbs. 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

E

ETHOCEL (see Ethylcellulose in Current Market Quotations).

F

FALKYD resins, A-2, 60% solids, dms., incl., c.l. lb. .27½- —
l.c.l., same basis lb. .28 - —
A-3, 50% solids, dms. incl., c.l lb. .22 - —
l.c.l., same basis lb. .22½- —
A-3-LV, 50% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis lb. .23½- —
A-4-D, 40% solids, dms. incl., c.l. lb. .19½- —
l.c.l., same basis lb. .20 - —
A-4-D, 50% solids, dms. incl., c.l. lb. .23¼- —
l.c.l., same basis lb. .23¾- —
A-5-D, 70% solids, dms. incl., c.l. lb. .31 - —
l.c.l., same basis lb. .31½- —
***A-5-D, 100% solids, dms. incl., c.l** lb. .42 - —
l.c.l., same basis lb. .42½- —
A-6, 70% solids, dms. incl., c.l. lb. .30 - —
l.c.l., same basis lb. .30½- —
AA-6, 70% solids, dms. incl., c.l. lb. .30 - —
l.c.l., same basis lb. .30½- —
B-2, 60% solids, dms. incl., c.l lb. .27 - —
l.c.l., same basis lb. .27½- —
B-2-S, 50% solids, dms. incl., c.l. lb. .21 - —
l.c.l., same basis lb. .21½- —
B-3, 50% solids, dms. incl., c.l lb. .19½- —
l.c.l., same basis lb. .20 - —
B-34, 50% solids, dms. incl., c.l lb. .19½- —
l.c.l., same basis lb. .20 - —
B-38, 50% solids, ums. incl., c.l lb. .23 - —
l.c.l., same basis lb. .23½- —
B-41, 65% solids, dms. incl., c.l. lb. .25½- —
l.c.l., same basis lb. .26 - —
***B-43-D, 100% solids, dms. incl., c.l** lb. .36½- —
l.c.l., same basis lb. .37 - —
***B-5, 85% solids, dms. incl., c.l** lb. .31¾- —
l.c.l., same basis lb. .32¼- —
B-666, 70% solids, dms. incl., c.l. lb. .23½- —
l.c.l., same basis lb. .24 - —
BB-6, 60% solids, dms. incl., c.l. lb. .21 - —
l.c.l., same basis lb. .21½- —
BB-6, 70% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis lb. .23½- —
C-3, 50% solids, dms. incl., c.l lb. .22 - —
l.c.l., same basis lb. .22½- —
C-5, 70% solids, dms. incl., c.l lb. .26½- —
l.c.l., same basis lb. .27 - —
C-5-D, 70% solids, dms. incl., c.l. lb. .27½- —
l.c.l., same basis lb. .28 - —
G-25, 50% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis lb. .23½- —
G-2500 (xylol), 50% solids, dms. incl., c.l lb. .23½- —
l.c.l., same basis lb. .24 - —
G-2500 (high-flash), 50% solids, dms. incl., c.l lb. .24 - —
l.c.l., same basis lb. .24½- —
I-72-D-HV, 50% solids, dms. incl., c.l lb. .19 - —
l.c.l., same basis lb. .19½- —
I-7, 60% solids, dms. incl., c.l lb. .16¼- —
l.c.l., same basis lb. .16¾- —
I-8, 75% solids, dms. incl., c.l lb. .17½- —
l.c.l., same basis lb. .18 - —
J-203, 50% solids, dms. incl., c.l. lb. .22½- —
l.c.l., same basis lb. .23 - —
J-525, 50% solids, dms. incl., c.l. lb. .19 - —
l.c.l., same basis lb. .19½- —
L-4-X, 50% solids, dms., incl., c.l., lb. .25 - —
l.c.l., same basis lb. .25½- —
L-5, 60% solids, dms. incl., c.l lb. .29 - —
l.c.l., same basis lb. .29½- —
W-200, 60% solids, dms. incl., c.l. lb. .29 - —
l.c.l., same basis lb. .29½- —

Tankcar prices 1c. per lb. below c.l. quotations.
* Tankcar quotations not available.

FALKOTE 285, 100% solids, dms. incl., c.l lb. .22 - —
l.c.l., same basis lb. .22½- —
315, 100% solids, dms. incl., c.l. lb. .22 - —
l.c.l., same basis lb. .22½- —
FLEXALYN solution, non-ret. dms., dlvd., c.l., zone 1 lb. .17¾- —
l.c.l., same basis lb. .18¼- —
C solution, c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

FORMVAR polyvinyl formal resin, 15/95 E. ret. dms., c.l., (30,000 lbs.), f.o.b. Indian Orchard, Mass lb. .83 * —
2,000 lbs. to 29,999 lbs., same basis lb. .85 * —
125 lbs. to 1,999 lbs., same basis lb. .88 * —
smaller lots, same basis lb. 1.00 * —

G

GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works lb. .40 * —
ton lots only, fib. ctns., same basis lb. .43 * —
over 200 lbs., fib. ctns., same basis lb. .45 * —
under 200 lbs., fib. ctns., same basis lb. .60 * —

Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.

Solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass lb. .20 * —
1.5 cps., 70% solids content in toluol, non-ret. bbls., ton lots only, same basis lb. .31 * —
less than ton lots, non-ret. bbls., same basis lb. .32 * —
2.5 cps., 60% solids content in toluol, non-ret. bbls., ton lots only, same basis lb. .27½- —
less than ton lots, non-ret. bbls., same basis lb. .28½- —
7 cps., 50% solids content in toluol, non-ret. bbls., ton lots only, same basis lb. .24 * —
less than ton lots, non-ret. bbls., same basis lb. .25 * —
50% solids content in ethanol, non-ret. bbls., ton lots only, same basis lb. .28½- —

Shown here is one view in the spotless modern plant where Swift's Animal Protein Colloid is made. Operation is continuous, automatic . . . the product is "untouched by human hands," not contaminated by foreign substances.

Investigate this
Modern Process Agent:
Swift's Animal Protein Colloid*
(made from an exclusive Swift Process)

Does your manufacturing process require . . .

1. An emulsifier?
2. A flotation agent?
3. A gel structure?
4. A settling agent?
5. A protective coating?
6. A sizing agent?
7. A carrier of pigments?
8. An impregnating agent?
9. A base for pigment?
10. An oilproofing agent?
11. A flocculating agent?
12. A clarifying agent?
13. A filtering agent?
14. A stiffening agent?
15. A mordant?

This modern process agent, Swift's refined Animal Protein Colloid, has properties which may be employed in a wide number of processes. Even though you have used other processing agents, be sure you investigate Swift's Animal Protein Colloid now. It has unusual properties. It may meet the requirements of your present operations or help in developing new ones.

*Commercially high quality bone glue.

What is this modern process agent?

Swift's Animal Protein Colloid is made by an exclusive Swift process. Protein liquor is extracted from bones and highly concentrated. This pure liquid falls on a bed of dry finished product which adheres evenly to the droplets. Then, by continuous and automatic schedule, these droplets travel through driers and are milled and screened. This whole operation is under *precise synchronized control* and is completed in relatively short time.

The result is a uniform granular form that goes into solution rapidly. It's a purified product, light amber in color.

Because plant and machinery are kept spotlessly clean — the finished product does not touch material which can contaminate it with foreign substances . . . because of the precise control possible with Swift's exclusive process, Swift can bring you this *superior* processing agent. And Swift's Animal Protein Colloid has the same high quality and uniform characteristics the year 'round.

Swift's technical service yours, investigate now

Write or phone for one of Swift's special representatives. He will call and discuss Swift's Animal Protein Colloid with you. This process agent may be just what you are looking for. Write to:

Swift & Company
ADHESIVE PRODUCTS DEPARTMENT
4111 Packers Avenue, Chicago 9, Illinois

GELVA resin, solution, 7 cps., 32.4% solids content in ethanol, non-ret. bbls., ton lots only, same basis lb. .23 - —
15 cps., 35% solids content in toluol, non-ret. bbls., ton lots only, same basis lb. .19 —
less than ton lots, non-ret. bbls., same basis lb. .20 - —
100 cps., 25% solids content in toluol, non-ret. bbls., ton lots only, same basis lb. .16 - —
less than ton lots, non-ret. bbls., same basis lb. .17 - —
Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids), S-50 and S-55, non-ret. bbls., c.l., dlvd. E. of Rocky Mts., works lb. .20¼ - —
ton lots and over, non-ret. bbls., same basis lb. .22 - —
less than ton lots, non-ret. bbls., same basis lb. .22½ - —
less than bbls., f.o.b. Indian Orchard, Mass lb. .28 - —
Prices W. of Rocky Mts. 2c. per lb. higher.

GEON, polyvinyl resin, 101, 30,000 lbs., works lb. .34 - —
5,000 to 29,999 lbs., works lb. .36 - —
200 to 4,999 lbs., works lb. .38 - —
up to 199 lbs., works lb. .52 - —
202, 30,000 lbs., works lb. .34 - —
5,000 to 29,999 lbs., works lb. .36 - —
200 to 4,999 lbs., works lb. .38 - —
up to 199 lbs., works lb. .52 - —
203, 30,000 lbs., works lb. .37 - —
5,000 to 29,999 lbs., works lb. .39 - —
200 to 4,999 lbs., works lb. .41 - —
up to 199 lbs., works lb. .58 - —
204, 30,000 lbs., works lb. .37 - —
5,000 to 29,999 lbs lb. .39 - —
200 to 4,999 lbs. lb. .41 - —
up to 199 lbs lb. .58 - —
205, 30,000 lbs., works lb. .34 - —
5,000 to 29,999 lbs., works lb. .36 - —
200 to 4,999 lbs., works lb. .38 - —
up to 199 lbs., works lb. .52 - —
Minimum transportation prepaid.

GLYPTAL resins, 1247, 65% solids content, dms., incl., c.l., dlvd lb. .27¼ - —
l.c.l., same basis lb. .28¼ - —
2458, 50% solids content, dms. incl., c.l., same basis lb. .24½ - —
l.c.l., same basis lb. .25 - —
2462, 50% solids content, dms. incl., c.l., same basis lb. .19¾ - —
l.c.l., same basis lb. .20¼ - —
2464, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½ - —
2466, 70% solids content, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½ - —
2475, 60% solids content, dms. incl., c.l., same basis lb. .21¾ - —
l.c.l., same basis lb. .22¼ - —
2477, 65% solids content, dms. incl., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½ - —
2480, 50% solids content, dms. incl., c.l., same basis lb. .23½ - —
l.c.l., same basis lb. .24 - —
2502, 60% solids content, dms. incl., c.l., same basis lb. .21¾ - —
l.c.l., same basis lb. .22¼ - —
2503, 100% solids content, dms. incl., c.l., same basis lb. .40 - —
l.c.l., same basis lb. .40½ - —
2504, 60% solids content, dms. incl., c.l., same basis lb. .20¼ - —
l.c.l., same basis lb. .20¾ - —
2505, 60% solids content, dms. incl., c.l., same basis lb. .26¾ - —
l.c.l., same basis lb. .27¼ - —
2506, 70% solids content, dms. incl., c.l., same basis lb. .22¼ - —
l.c.l., same basis lb. .22¾ - —
2506, 100% solids content, dms. incl., c.l., same basis lb. .41 - —
l.c.l., same basis lb. .41½ - —
2509, 50% solids content, dms. incl., c.l., same basis lb. .19¾ - —
l.c.l., same basis lb. .20¼ - —
2510, 45% solids content, dms. incl., c.l., same basis lb. .18¼ - —
l.c.l., same basis lb. .18¾ - —
2514, 60% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½ - —
2517, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½ - —
2518, 50% solids content, dms. incl., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
2527, 50% solids content, dms. incl., c.l., same basis lb. .24¾ - —
l.c.l., same basis lb. .25¼ - —
2529, 70% solids content, dms. incl., c.l., same basis lb. .33½ - —
l.c.l., same basis lb. .34 - —
2532, 50% solids content, dms. incl., c.l., same basis lb. .19½ - —
l.c.l., same basis lb. .20 - —
2555, 65% solids content, dms. incl., c.l., same basis lb. .27¼ - —
l.c.l., same basis lb. .27¾ - —
2556, 80% solids content, dms. incl., c.l., same basis lb. .31½ - —
l.c.l., same basis lb. .32 - —
2570, 60% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½ - —
2583, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½ - —
2585, 50% solids content, dms. incl., c.l., same basis lb. .22½ - —
l.c.l., same basis lb. .23 - —
2590, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½ - —
2592, 50% solids content, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½ - —
2593, 60% solids content, dms. incl., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
2595, 60% solids content, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½ - —

GUAI-A-PHENE, 50-55 gal. dms., ret., dms. on deposit at $6 each, works lb. 2.97 - —
5-gal. dms., dms. incl., any quantity, works lb. 3.12 - —
1-gal. cans, cans incl., 6-can lots, works lb. 3.22 - —
1 to 5 cans, works lb. 3.32 - —

H

HERCOLYN (see methyl abietate hydrogenated) in Current Market Quotations.

HYDROGUM resin, P-190, dms. incl., c.l., dlvd. zones 1 and 2 lb. .21 - —
l.c.l., same basis lb. .21½ - —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

K

KOPOL resins, 500, dms. incl., c.l., dlvd., zones 1 and 2 lb. .25 - —
l.c.l., same basis lb. .25½ - —
501, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½ - —
These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

L

LEWISOL resins, 23, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .20 - —
l.c.l., same basis lb. .20½ - —
33, non-ret. dms., c.l., same basis, lb. .20 - —
l.c.l., same basis lb. .20½ - —
Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

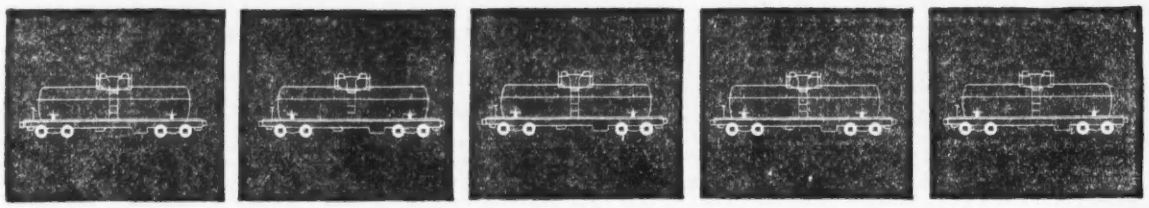
MARBON resins, S, bgs., c.l., f.o.b. Gary, Ind lb. .36 - —
2,000 lbs., same basis lb. .37 - —
smaller lots, same basis lb. .38 - .43
S-1, bgs., c.l., same basis lb. .36 - —
2,000 lbs., same basis lb. .37 - —
smaller lots, same basis lb. .38 - .43
Minimum freight allowed.

MARMIX, non-ret. dms., c.l., f.o.b. Gary, Ind lb. .36 - —
l.c.l., same basis lb. .38 - —
less dms., same basis lb. .43 - —
Minimum freight allowed.
MARVINOL resin, VR-10, 30,000 lbs., f.o.b. works lb. .33 - —
5,000 to 29,999 lbs., same basis lb. .34 - —
200 to 4,999 lbs., same basis lb. .36 - —
up to 199 lbs., same basis lb. .50 - —
MELMAC, 245-8, dms., c.l., frt. alld. E lb. .39 - —
l.c.l., frt. alld lb. .39½ - —
246-10, c.l., frt. alld lb. .43 - —
l.c.l., frt. alld lb. .43½ - —
248-8, c.l., frt. alld lb. .40 - —
l.c.l., frt. alld lb. .40½ - —
560-8, c.l., frt. alld lb. .39½ - —
l.c.l., frt. alld lb. .40 - —
586-9, c.l., frt. alld lb. .36½ - —
l.c.l., frt. alld lb. .37¼ - —
599-8, c.l., frt. alld lb. .38½ - —
l.c.l., frt. alld lb. .39 - —
Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.
METHOCEL (see Methylcellulose in Current Market Quotations).
MONOPLEX resins, 5, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa lb. .70 - —
10-dm. lots, same basis lb. .70½ - —
1-9-dm. lots, same basis lb. .71 - —
DBS, ret. dms., c.l., same basis lb. .58 - —
10-dm. lots, same basis lb. .58½ - —
1-9-dm. lots, same basis lb. .59 - —
DOS, ret. dms., c.l., same basis lb. .69 - —
10-dm. lots, same basis lb. .69½ - —
1-9-dm. lots, same basis lb. .70 - —
Prices are subject to certain differentials if shipped from warehouse stocks. Tankcar deliveries are priced 1c. per lb. under carlot listings. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa. A deposit charge of $4 each is made on all 50-gal. drums.

N

NEO-FAT drying oil, 170, dms. incl., c.l., dlvd lb. .29¼ - —
190, dms., c.l., dlvd lb. .32¼ - —
Fatty acid, 38, dms. incl., c.l., dlvd lb. .13¾ - —
11, dms., c.l., dlvd lb. .37¼ - —
17, dms., c.l., dlvd lb. .25¼ - —
Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.
NEOLYN resin, 20, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .26½ - —
l.c.l., same basis lb. .27 - —
23, c.l., same basis lb. .25½ - —
l.c.l., same basis lb. .26 - —
24 (75% in toluol), c.l., same basis, lb. .23 - —
l.c.l., same basis lb. .23½ - —
40, c.l., same basis lb. .27½ - —
l.c.l., same basis lb. .28 - —
60, c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
NEVILLAC, pale hard, color 1-2, melting point 85-95°C., dms., works lb. 25 - —
hard, color 2½-4, melting point 85-95°C., same basis lb. .23 - —
soft, color 2½-4, melting point 65-70°C., same basis lb. .25 - —
10, color ½-4, same basis lb. .33 - —
ZC, same basis lb. .31 - —
OA, same basis lb. .45 - —
RT, same basis lb. .31 - —
RX, same basis lb. .31 - —
TS, same basis lb. .45 - —
PHO, same basis lb. .33 - —

pure, uniform caustic soda



to meet your strictest requirements

Wyandotte Caustic Soda, as produced by the Mercury Cell method, meets the highest standards of quality. Commercially, it is free from sodium chloride, sodium chlorate, iron and practically all other impurities.

In the manufacture of rayon and other products—wherever high-grade caustic soda is essential—this truly fine chemical can be used *as delivered*, without further processing. Its purity and uniformity do not depend upon the efficiency of a purification system.

Recently completed facilities have enabled us to double our previous production of Mercury Cell Caustic. If your chemical needs include quality caustic soda, why not write us today?

Wyandotte Chemicals Corporation
Wyandotte, Mich. • *Offices in Principal Cities*

SODA ASH • CAUSTIC SODA
BICARBONATE OF SODA
CALCIUM CARBONATE • CALCIUM CHLORIDE
CHLORINE • HYDROGEN • DRY ICE
SYNTHETIC DETERGENTS • GLYCOLS
ETHYLENE DICHLORIDE
PROPYLENE DICHLORIDE • CHLOROETHERS
AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

NEVILLE resin, G, dms., net weight, lb.	.10½-	—
R-1, nevindene, color ½, dms., works lb.	.15½-	—
R-3, nevindene, color 1, dms., works lb.	.14½-	—
R-5, nevindene, color 1½-2, dms., works lb.	.13½-	—
R-6, nevidene, color 2½-3½, dms., works lb.	.12½-	—
R-7, N.P.S., color below 3, dms., works lb.	.15 -	—
R-9, hard, color ½, dms., works, lb.	.15 -	—
R-10, hard, color 1, dms., works, lb.	.14 -	—
R-11, hard, color 1½-2, dms., works lb.	.13 -	—
R-12, hard, color, 2½-3½, dms., works lb.	.12 -	—
R-13, medium color, ½, dms., works lb	.15 -	—
R-14, medium, color 1, dms., works lb.	.14 -	—
R-15, medium color 1½-2, dms., works lb.	.13 -	—
R-16, medium, color 2½-4, dms., works lb.	.12 -	—
R-17, medium, soft, color 3½-8, dms., works lb.	.12 -	—
R-19, medium, soft, color 3½-8, dms., works lb.	.12 -	—
R-21, soft, color 3½-8, dms., works lb.	.12 -	—
R-22, special, soft, color 3½-8, dms., works lb.	.12 -	—
R-29, medium, soft, color 2½-8, dms., works lb.	.12 -	—
465, 119-125°C., dms., gross wt., Pittsburgh lb.	.05¾-	—
NEVILLE resin, LX-685, dms., net weight, works lb.	.12 -	—
resinous oil, No XL ret. dms. lb.	.02½-	—

Neville resin prices, except "G" resin, 465 resin and LX-685, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.

NEVINOL, dms., works lb.	.17 -	—
NUBA. No. 1, 80-90°C., dms., gross weight, works lb.	.04 -	—
No. 2, 100-125°C., dms., gross weight, works lb.	.04 -	—
No. 3-X, 135-150°C., dms., gross weight, works lb.	.06½-	—

P

PARADENE 1, 78-99° C. color, 12-16, dms., gross wt., works lb.	.06½-	—
2, 100-125° C., color 12-16, dms., gross wt., works lb.	.06½-	—
3, 125-140° C., dms., gross wt., works lb.	.07 -	—
33, color 10-15, dms. gross wt., works lb.	.07½-	—
34, color 10-15, dms., gross wt., works lb.	.07½-	—
35, color 10-15, dms., gross wt., works lb.	.07 -	—

Paradene prices are freight equalized with Philadelphia, Pa.

PARAPLEX resins 5-B, 80% solids content, ret. dms., c.l., frt. alld. district 1 lb.	.35 -	—
l.c.l., same basis lb.	.35½-	—
5-B, 100% solids content, ret. dms., c.l., same basis lb.	.39 -	—
l.c.l., same basis lb.	.39¾-	—
AL-111, 100% solids content, ret. dms., c.l., same basis lb.	.33 -	—
l.c.l., same basis lb.	.33¾-	—
G-20, 60% solids content, ret. dms., c.l., same basis lb.	.67 -	—
l.c.l., same basis lb.	.67½-	—
PARAPLEX resins, G-20, 100% solids content, ret. dms., c.l., same basis lb.	.78 -	—
l.c.l., same basis lb.	.78¾-	—
G-25, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa.	.76 -	—
10-dm. lots, same basis lb.	.76½-	—
1-9-dm. lots, same basis lb.	.77 -	—
G-40, ret. dms., c.l., same basis lb.	.43 -	—
10-dm. lots, same basis lb.	.43½-	—
1-9-dm. lots, same basis lb.	.44 -	—
G-50, ret. dms., c.l., same basis lb.	.39½-	—
10-dm. lots, same basis lb.	.40 -	—
1-9-dm. lots, same basis lb.	.40½-	—
RG-2, 60% solids content, ret. dms., c.l., frt. alld., district 1 lb.	.43 -	—
l.c.l., same basis lb.	.43½-	—
100% solids content, ret. dms., c.l., same basis lb.	.67 -	—
l.c.l., same basis lb.	.67¾-	—
RG-8, 100% solids content, ret. dms., c.l., same basis lb.	.54 -	—
l.c.l., same basis lb.	.54¾-	—
RG-10, 100% solids content, ret. dms., c.l., same basis lb.	.54 -	—
l.c.l., same basis lb.	.54¾-	—

Prices on all grades of Paraplex, except G-25, G-40 and G-50, are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. A deposit charge of $4 each is made on all 50-gal. drums. Prices on Paraplex G-25, G-40 and G-50 are subject to certain differentials if shipped from warehouse stocks. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa.

PENTA resins, 103, dms., incl., non-ret., c.l., dlvd., zone 1 lb.	.17 -	—
l.c.l., same basis lb.	.17½-	—
139, dms. incl., non-ret., c.l., same basis lb.	.22¼-	—
l.c.l., same basis lb.	.22¾-	—
140, dms. incl., non-ret., c.l., same basis lb.	.20¾-	—
l.c.l., same basis lb.	.21¼-	—
PENTACITE resins, P-405, dms. incl., c.l., dlvd., zones 1 and 2 lb.	.17½-	—
l.c.l., same basis lb.	.18 -	—
P-406, dms. incl., c.l., same basis, lb.	.15 -	—
l.c.l., same basis lb.	.15½-	—
P-423, dms. incl., c.l., same basis, lb.	.19½ -	—
l.c.l., same basis lb.	.20 -	—

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

PENTALYN A, non-ret. dms., f.o.b. customer's siding, zone 1 lb.	.14¾-	—
l.c.l., same basis lb.	.15¼-	—
F, c.l., same basis lb.	.19½-	—
l.c.l., same basis lb.	.20 -	—
G, c.l., same basis lb.	.19½-	—
l.c.l., same basis lb.	.20 -	—
H, c.l., same basis lb.	.20 -	—
l.c.l., same basis lb.	.20½-	—
M, c.l., same basis lb.	.20½-	—
l.c.l., same basis lb.	.21 -	—
802A, c.l., same basis lb.	.20½-	—
l.c.l., same basis lb.	.21 -	—
X, c.l., same basis lb.	.20½-	—
l.c.l., same basis lb.	.21 -	—

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

PHENAC, 604-M, dms., c.l., frt. alld. E lb.	.21 -	—
l.c.l., frt. alld lb.	.21½-	—
608, c.l., frt. alld lb.	.22 -	—
l.c.l., frt. alld lb.	.22½-	—
622-N, c.l., frt. alld lb.	.20 -	—
l.c.l., frt. alld lb.	.20½-	—
X-687, c.l., frt. alld lb.	.33 -	—
l.c.l., frt. alld lb.	.38½-	—

PICCOLASTIC resins, A-1, A-5, A-25, A-50, A-75, B-50, B-75, B-100, C-5, C-25, C-50, C-75, C-100, C-125, D-75, D-100, D-125, D-130, E-50, E-75, E-100, E-125, dms., c.l., f.o.b. Clairton, Pa lb.	.22 -	—
l.c.l., same basis lb.	.22½-	—
D-140, dms., c.l., same basis lb.	.17 -	—
l.c.l., same basis lb.	.17½-	—
FT, FX, FHF, dms., c.l. same basis lb.	.139 -	—
l.c.l., same basis lb.	.144 -	—

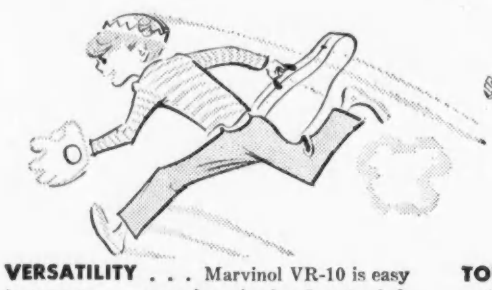
Prices are on a net weight basis, containers included, and apply to standard packages only. For other than full drum shipments add 5c. per lb.

PICCOLYTE resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l lb.	.15 -	—
l.c.l. lb.	.15½-	—
S-55, S-70, c.l., same basis lb.	.15 -	—
l.c.l. lb.	.15½-	—
S-85, S-100, c.l., same basis lb.	.15 -	—
l.c.l lb.	.15½-	—
S-115, c.l., same basis lb.	.15 -	—
l.c.l lb.	.15½-	—
S-125, c.l., same basis lb.	.15¾-	—
l.c.l. lb.	.15¾-	—
Solutions, S-115, 65% solids, dms., incl., c.l., f.o.b. Clairton, Pa lb.	.1195-	—
l.c.l., same basis lb.	.1245-	—
tanks, same basis lb.	.1095-	—
45% solids, dms., incl., same basis lb.	.0895-	—
l.c.l., same basis lb.	.0945-	—
tanks, same basis lb.	.0795-	—
WW-20, WW-85, c.l., same basis lb.	.45 -	—
l.c.l., same basis lb.	.46 -	—
WW-100, WW-115, c.l., same basis lb.	.45 -	—
l.c.l., same basis lb.	.46 -	—
WW-125, c.l., same basis lb.	.46 -	—
l.c.l., same basis lb.	.47 -	—
PICCO rubber resin, 100, c.l., same basis lb.	.13¼-	—
l.c.l., same basis lb.	.13¾-	—
PICCOUMARON resins, 450-H, 450-L, 450-HL, dms., net wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald lb.	.11½-	—
450, 450-E, 450-S, same basis lb.	.11½-	—
450-ES, same basis lb.	.11½-	—
450, same basis lb.	.11½-	—
Other 450 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb.	.12 -	—
440-S, same basis lb.	.09½-	—
430-H, dms., gross wt., solid, f.o.b. works, frt. equald lb.	.07 -	—
Other 430 series, dms., net. wt., solid, f.o.b. works, frt. equald. lb.	.06½-	—
420-H, same basis lb.	.10½-	—
420-S, 420-E, 420-ES, same basis, lb.	.10½-	—
422-R, 423-R, 425-R, 427-R, same basis lb	.12 -	—
Other 420 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb.	.10½-	—
Picco-10, same basis lb.	.12 -	—
Picco-25, same basis lb.	.12 -	—
Picco-75, Picco-100, dms., net. wt., solid, f.o.b. works, frt. equald lb.	.11½-	—
Bunarex-10, dms., net wt., plastic, f.o.b. works, frt. equald lb.	.07½-	—
XX-25, same basis lb.	.07½-	—
Bunarex-100, XX-100, same basis, lb.	.06½-	—
XX-40, same basis lb.	.07½-	—
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald. lb.	.07 -	—
XX-70, same basis lb.	.06½-	—
XX-115, same basis lb.	.07 -	—
430 series, same basis lb.	.15 -	—
60-40, same basis lb.	.12 -	—
43-32, same basis lb.	.10 -	—
60%, 420-ES sol., non-ret. dms., c.l lb.	.09 -	—
l.c.l., same basis lb.	.09½-	—
tanks, same basis lb.	.08 -	—
C.G. (deodorized), dms., net. wt. solid, f.o.b. works, frt. equald lb.	.14½-	—

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

PLASKON resins, 3105, 60% solids content, dms. incl., 10,000 lbs., dlvd., zones 1 and 3 lb.	.27 -	—
less than 10,000 lbs., same basis lb.	.27½-	—
PCC 3115, 60% solids content, dms. incl., 10,000 lbs., same basis lb	.25 -	—
less than 10,000 lbs., same basis lb.	.25½-	—

STABILITY . . . Marvinol VR-10 is superior in resistance to heat, light and other normally destructive factors.



VERSATILITY . . . Marvinol VR-10 is easy to process . . . may be calendered, extruded, injection molded, used in non-aqueous dispersions, formulated as unplasticized rigids . . . uniquely versatile.

TOUGHNESS . . . Marvinol's high molecular weight offers you extra toughness and "dryness" with long life . . . resists tear, wear, oils, acids.

. . . *here's why industry is turning to* **MARVINOL**® *the unique* **VINYL RESIN**

WIDER TEMPERATURE RANGE . . . Marvinol VR-10 assures you products that show less deformation due to heat . . . gives greater low temperature flexibility.

COLOR . . . Marvinol offers many opportunities for distinctive coloring . . . from clear to delicate or brilliant shades.

EASILY CLEANED . . . Marvinol-based products are easily and quickly cleaned because of their smooth surface. They're waterproofed, unaffected by mold or fungi.

The New Ultra-Modern Marvinol Plant contains the latest equipment to assure efficient operation, uniform production of the highest quality. Send today for details. Write on your company letterhead to Chemicals Division, Dept. O-2, The Glenn L. Martin Company, Baltimore 3, Maryland.

CLOSE COOPERATION . . . The Glenn L. Martin Co. compounds and fabricates only in its customer service laboratory for your benefit. We sell only raw materials. Our sales engineers and modern customer research laboratory are ready to help with your processing problems.

Martin Marvinol

RESINS, PLASTICIZERS AND STABILIZERS PRODUCED BY THE CHEMICALS DIVISION OF

THE GLENN L. MARTIN COMPANY • AN INTERNATIONAL INSTITUTION

"BETTER PRODUCTS, GREATER PROGRESS, ARE MADE BY MARTIN"

PLASKON resins, PCC 3120, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3121, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3148, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3149, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .21 - —
less than 10,000 lbs., same basis lb. .21½ - —
PCC 3158, 60% solids content, dms. incl., 10,000 lbs., same basis lb. .24½ - —
less than 10,000 lbs., same basis lb. .25 - —
PCC 3160, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3175, 60% solids content, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3175, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .22 - —
less than 10,000 lbs., same basis lb. .22½ - —
PCC 3177, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .22 - —
less than 10,000 lbs., same basis lb. .22½ - —
PCC 3179, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .23 - —
less than 10,000 lbs., same basis lb. .23½ - —
PCC 3181, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .18 - —
less than 10,000 lbs., same basis lb. .18½ - —
PCC 3185, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .18½ - —
less than 10,000 lbs., same basis lb. .19 - —
PCC 3195, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .23½ - —
less than 10,000 lbs., same basis lb. .24 - —
PCC 3252, 50% solids content, dms. incl., 10,000 lbs., same basis lb .21 - —
less than 10,000 lbs., same basis lb. .21½ - —
PCC 3254, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .19½ - —
less than 10,000 lbs., same basis lb. .20 - —
PCC 3258, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20½ - —
less than 10,000 lbs., same basis lb. .21 - —
PCC 3282, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .15 - —
less than 10,000 lbs., same basis lb. .15½ - —
PCC 3401, dms. incl., 10,000 lbs., dlvd., zones 1 and 3 lb. .19 - —
less than 10,000 lbs., same basis lb. .19½ - —
PCC 3402, dms. incl., 10,000 lbs., same basis lb. .19 - —
less than 10,000 lbs., same basis lb. .19½ - —
PCC 3450, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .21 - —
PCC 3454, dms. incl., 10,000 lbs., same basis lb. .22½ - —
less than 10,000 lbs., same basis lb. .23 - —
PCC 3457, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3480, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3513, dms. incl., 10,000 lbs., same basis lb. .17½ - —
less than 10,000 lbs., same basis lb. .18 - —
PCC 3539, dms. incl., 10,00 0lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3550, dms. incl., 10,000 lbs., same basis lb. .20 - —
less than 10,000 lbs., same basis lb. .20½ - —
PCC 3570, dms. incl., 10,000 lbs., same basis lb. .21 - —
less than 10,000 lbs., same basis lb. .21½ - —
PCC 3604, dms. incl., 10,000 lbs., same basis lb. .15 - —
less than 10,000 lbs., same basis lb. .15½ - —
PCC 3608, dms. incl., 10,000 lbs., same basis lb. .14½ - —
less than 10,000 lbs., same basis lb. .15 - —
PCC 3300, 50% solids content, dms. incl., 10,000 lbs., dlvd., zone 1 lb. .26 - —
less than 10,000 lbs., same basis lb. .26½ - —
PCC 3311, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .26 - —
less than 10,000 lbs., same basis lb. .26½ - —
PCC 3371, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .26 - —
less than 10,000 lbs., same basis lb. .26½ - —

Prices are f.o.b. Toledo or Kenilworth, N. J. On shipments of one or more full standard-size drums, freight is prepaid to carriers' stations nearest destination. Zone 1 consists of the United States except California, Oregon, Washington, Colorado, Idaho, Montana, New Mexico, Nevada, Wyoming and Utah. The excepted states comprise zone 3, where prices are ¾c. per lb. higher than listings above. For shipments made in other than standard drums, add 2c. and 2¾c. per lb. for half drums in zone 1 and zone 3, respectively. Five-gal. containers are 3c. higher in zone 1 and 3¾c. more in zone 3.

PLIOLITE milled resins, S-4, dms., ton lots, f.o.b. Akron, Ohio lb. .78 - —
Base, 1-S4, anatase titanium dioxide, same basis lb. .56 - —
2-S4, carbon black, same basis lb. .71 - —
7C-S4, red iron oxide, same basis lb. .56 - —
8-S4, zinc chromate, same basis lb. .70 - —

PLIOLITE milled resins, S-4, base, 14-S4, lithopone, same basis lb. .38 - —
23-S4, hansa yellow, same basis lb. 1.28 - —
35-S4, toluidin toner, same basis lb. 1.31 - —
38B-S4, yellow iron oxide, fame basis lb. .58 - —
39-S4, C. P. chrome green, same basis lb. .70 - —
47A-S4, high zinc lithopone, same basis lb. .40 - —
66A-S4, monastral blue, same basis lb. 2.58 - —
79B-S4, cadmium lithopone, same basis lb. 1.13 - —
80-S4, rutile titanium dioxide, same basis lb. .56 - —
S-5, dms., ton lots, same basis lb. .59 - —
Base, 1A-S5, carbon black, same basis lb. .45 - —
2C-S5, carbon black, same basis lb. .50 - —
5-S5, zinc oxide, same basis lb. .34 - —
6-S5, red lead, same basis lb. .36 - —
7C-S5, Indian red, same basis lb. .49 - —
8A-S5, zinc chromate, same basis lb. .51 - —
12-S5, whiting, precipitated, same basis lb. .28 - —
13-S5, China clay, same basis lb. .33 - —
14-S5, lithopone, same basis lb. .31 - —
15-S5, zinc sulphide, same basis lb. .38 - —
17-S5, Prussian blue, same basis lb. .65 - —
35-S5, toluidin toner, medium, same basis lb. .95 - —
38-S5, yellow iron oxide, same basis lb. .45 - —
39C-S-5, C.P., chrome green medium, same basis lb. .59 - —
41A-S-5, C.P., chrome yellow, medium, same basis lb. .46 - —

PLIOLITE milled resins, S-5, base, 46C-S5, lampblack, same basis lb. .53 - —
47-S5, high zinc lithopone, same basis lb. .34 - —
64-S5, molybdate orange, dark, same basis lb. .64 - —
65-S5, C.P., chrome yellow, extra light, same basis lb. .51 - —
66-S-5, phthalocyanine lb. .98 - —
68A-S5, C.P., chrome green, extra light, same basis lb. .59 - —
80-S-5, non-yellowing titanium dioxide lb. .45 - —

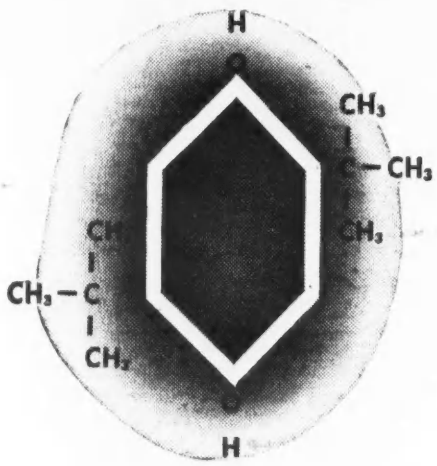
These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

PLYOPHEN resins, 5000 dms., incl., c.l., dlvd., zones 1 and 2 lb. .20½ - —
l.c.l., same basis lb. .21 - —
5010, dms. incl., c.l., same basis lb. .18½ - —
l.c.l., same basis lb. .19 - —
5012, dms. incl., c.l., same basis lb. .16½ - —
l.c.l., same basis lb. .17 - —
5012-T, dms. incl., c.l., same basis, lb. .16 - —
l.c.l., same basis lb. .16½ - —
5013, dms. incl., c.l., same basis lb. .17½ - —
l.c.l., same basis lb. .18 - —
5013-T, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½ - —
5014, dms. incl., c.l., same basis lb. .16½ - —
l.c.l., same basis lb. .17 - —
5014-T, dms. incl., c.l., same basis lb. .16 - —
l.c.l., same basis lb. .16½ - —

PLYOPHEN resins, 5015, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½ - —
5016, dms. incl., c.l., same basis lb. .18½ - —
l.c.l., same basis lb. .19 - —
5020, dms. incl., c.l., same basis lb. .18½ - —
l.c.l., same basis lb. .19 - —
5020-T, dms. incl., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½ - —
5022, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½ - —
*5023, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½ - —
*5023-A, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½ - —
*5024, dms. incl., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
5025, dms. incl., c.l., same basis lb. .18½ - —
l.c.l., same basis lb. .19 - —
5027, dms., incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½ - —
5030, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½ - —
5031, dms. incl., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½ - —
5040, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½ - —
5041, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½ - —
6000, dms. incl., c.l., same basis lb. .58 - —
l.c.l., same basis lb. .58½ - —
6002, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½ - —

ANTIOXIDANT | STABILIZER | SHORTSTOP

2,5-ditertiary butyl hydroquinone



TEC 2,5-DITERTIARY BUTYL HYDROQUINONE is insoluble in water and caustic; thus, it is resistant to leaching when used as a stabilizer or antioxidant. In addition, it is quite color stable. These properties are of interest to compounders of latex, textile oils, pressure adhesives, and hydraulic fluids.

The reducing properties of TEC 2,5-Ditertiary Butyl Hydroquinone render it valuable as a polymerization arrester or shortstop. This chemical should be investigated by all resin manufacturers.

TENNESSEE EASTMAN CORPORATION
(Subsidiary of Eastman Kodak Company)
KINGSPORT, TENNESSEE

Sales Representatives in: New York: 10 E. 40th St. • Cleveland: Terminal Tower Bldg. • Chicago: 360 N. Michigan Ave.

PLYOPHEN resins, P-375, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
P-398, dms. incl., c.l., same basis lb. .10½- —
l.c.l., same basis lb. .11 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming, in Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.
*Tankcar quantities not available.

Polyamide ED. Nos. 93, 94, and 95 f.o.b. works, l.c.l. quantities lb. .55 - —

POLYCO 117-H, polyvinyl acetate, bbls., c.l., f.o.b. Peabody, Mass. lb. 20½- —
bbls., l.c.l., same basis lb. 22 - .22½

Freight allowed to city of destination East of the Mississippi River, or freight allowance not to exceed 1½c. per net lb. of emulsion for points West of the Mississippi River.

144, polyacrylate, bbls., c.l., f.o.b. Peabody, Mass. lb. .28 - —
bbls., c.l., same basis lb. .29 - .30
265, polyvinyl acetate in acetone, bbls., c.l., same basis lb. .25½- —
bbls., l.c.l., same basis lb. .26½- .27½
296, sodium polyacrylate, bbls., c.l., same basis lb. .13 - —
bbls., l.c.l., same basis lb. .14 - .15
301, polyvinyl acetate in toluol, bbls., c.l., same basis lb. .20½- —
bbls., l.c.l., same basis lb. .21½- .22½

POLYCO 309, polyvinyl acetate in ethanol, bbls., c.l., same basis lb. .25½- —
bbls., l.c.l., same basis lb. .26½- .27½
310, polyvinyl acetate in xylol, bbls., c.l., same basis lb. .20½- —
bbls., l.c.l., same basis lb. .21½- .22½
346, polyvinyl acetate in methanol, bbls., c.l., same basis lb. .17½- —
bbls., l.c.l., same basis lb. .18½- .19½
Polyethylene resins, DYGT, granular, bgs., c.l. (30,000 lbs.), f.o.b. South Charleston, W. Va. lb. .60 - —
10,000 lbs. to 29,999 lbs., same basis lb. .60½- —
200 lbs. to 9,999 lbs., same basis lb. .61 - —
1 lb. to 199 lbs., same basis. lb. .64 - —
DYLT, granular, bgs., c.l. (30,000 lbs.), same basis lb. .56 - —
10,000 lbs. to 29,999 lbs., same basis lb. .56½- —
200 lbs. to 9,999 lbs., same basis lb. .57 - —
1 lb. to 199 lbs., same basis. lb. .60 - —
DYNF, granular, bgs., same basis. lb. .44 - —
DYNH, granular, bgs., same basis. lb. .44 - —
DYNJ, granular, bgs., same basis. lb. .47 - —
POLYPALE ester, No. 1, non-ret. dms. c.l., dlvd., zone 1 lb. .14¾- —
l.c.l., same basis lb. .15¼- —
No. 10, c.l., same basis lb. .16 - —
l.c.l., same basis lb. .16½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

R

R-B-H resin, 510, bbls., c.l. or full truck load, f.o.b. Bauer, Utah lb. .13½- —
l.c.l., f.o.b. Bound Brook, N. J. lb. .16½- .20
RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass lb. .39 - —
non-ret. dms., l.c.l., same basis. lb. .39½- —
5-gal. containers, same basis lb. .51½- —
877, non-ret. dms., c.l., same basis. lb. .36½- —
non-ret. dms., l.c.l., same basis. lb. .37 - —
5-gal. containers, same basis lb. .49 - —
878, non-ret. dms., c.l., same basis. lb. .39 - —
non-ret. dms., l.c.l., same basis. lb. .39½- —
5-gal. containers, same basis lb. .51½- —
881, non-ret. dms., c.l., same basis. lb. .43½- —
non-ret. dms., l.c.l., same basis. lb. .44 - —
5-gal. containers, same basis lb. .56 - —
882, non-ret. dms., c.l., same basis. lb. .44 - —
non-ret. dms., l.c.l., same basis. lb. .44½- —
5-gal. containers, same basis lb. .56½- —

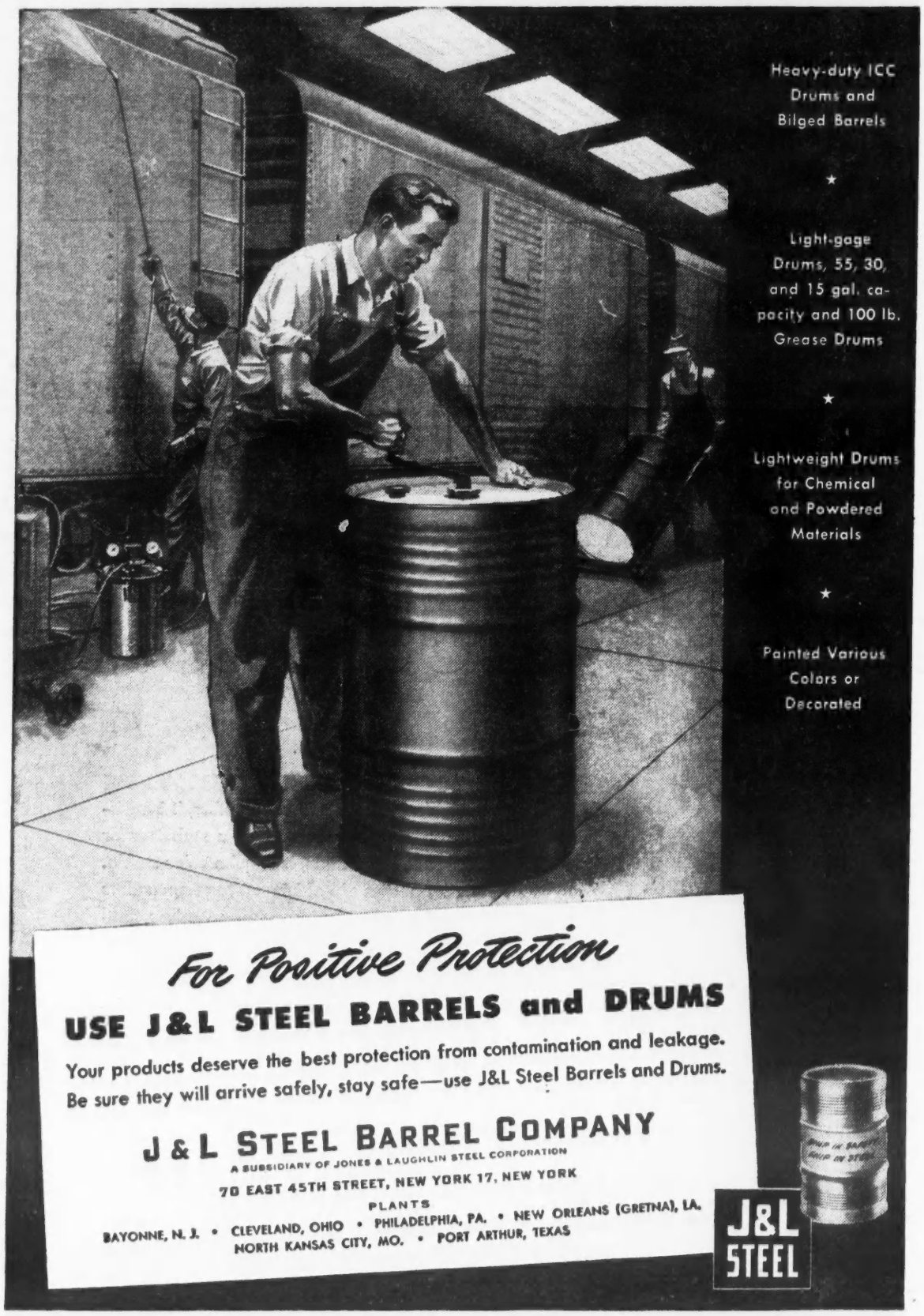
Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

REZYL, 14-7E-75, dms., c.l., frt. alld. E lb. .44½- —
l.c.l., lb. .45 - —
36-4, c. l., same basis lb. .42¼- —
l.c.l., same basis lb. .42¾- —
REZYL, 50-5, c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
92-5, c.l., same basis lb. .28 - —
l.c.l. lb. .28½- —
99-4-60, c.l., same basis lb. .26 - —
l.c.l. lb. .26½- —
99-5, c.l., same basis lb. .26 - —
l.c.l. lb. .26½- —
310-5, c.l., same basis lb. .23½- —
l.c.l. lb. .24 - —
330-5, c.l., same basis lb. .23½- —
l.c.l. lb. .24 - —
387-5, c.l., same basis lb. .22 - —
l.c.l. lb. .22½- —
412-1, c.l., same basis lb. .20 - —
l.c.l. lb. .20½- —
435-1, c.l., same basis lb. .20 - —
l.c.l. lb. .20½- —
728-5, c.l., same basis lb. .24 - —
l.c.l. lb. .24½- —
729-5, c.l., same basis lb. .20 - —
l.c.l. lb. .20½- —
731-5, c.l., same basis lb. .25¾- —
l.c.l. lb. .26¼- —
775-1, c.l., same basis lb. .20 - —
l.c.l. lb. .20½- —
775-4, c.l., same basis lb. .28 - —
l.c.l. lb. .28½- —
784-1, c.l., same basis lb. .23½- —
l.c.l. lb. .24¼- —
807-1, c.l., same basis lb. .22½- —
l.c.l. lb. .23 - —
811-1, c.l., same basis lb. .20 - —
l.c.l. lb. .20½- —
823-1, c.l., same basis lb. .22 - —
l.c.l. lb. .22½- —
868-1, c.l., same basis lb. .27 - —
l.c.l. lb. .27½- —
869-1, c.l., same basis lb. .32 - —
l.c.l. lb. .32½- —
872-1, c.l., same basis lb. .22 - —
l.c.l. lb. .22½- —
873-1-70, c.l., same basis lb. .23 - —
l.c.l. lb. .23½- —
1102-5, c.l., same basis lb. .23½- —
l.c.l. lb. .24 - —
solid, 99, c.l., same basis lb. .42½- —
l.c.l. lb. .43 - —
X-315, c.l., same basis lb. .37½- —
l.c.l. lb. .38 - —
869, c.l., same basis lb. .45 - —
l.c.l. lb. .45½- —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

S

SANTOLITE MHP, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis lb. .35 - —
25,000-lb. lots, same basis lb. .36 - —
5,000-lb. lots, same basis lb. .37 - —
1,000-lb. lots and less, same basis lb. .38 .40
MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis lb. .35 - —
5,000-lb. lots, same basis lb. .36 - —
1,000-lb. lots and less, same basis lb. .36½- .41¼
SARAN F-120 resin, c.l., works lb. .52 - —
l.c.l., same basis lb. .54 - —
SCHENECTADY resins, SA-301, non-ret. dms., c.l., f.o.b. Schenectady, N. Y., transportation prepaid and alld. to dest. lb. .25 - —
l.c.l., same basis lb. .25½- —
SA-302, non-ret. dms., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25 - —
SA-303, non-ret. dms., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
SA-305, non-ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
SA-307, non-ret. dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
SA-309, non-ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
SA-400, non-ret. dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
SA-401, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
SA-402, non-ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
SA-402H, non-ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
SA-403, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
SA-404, non-ret. dms., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
SA-406, non-ret. dms., c.l., same basis lb. .27¼- —
l.c.l., same basis lb. .27¾- —
SA-407, non-ret. dms., c.l., same basis lb. .22¼- —
l.c.l., same basis lb. .22¾- —
SA-408, non-ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
SA-500, non-ret. dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
SA-500-A, non-ret. dms., c.l., same basis lb. .21¾- —
l.c.l., same basis lb. .22¼- —
SA-501, non-ret. dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
SA-502, non-ret. dms., c.l., same basis lb. .21½- —
l.c.l., same basis lb. .22 - —
SA-503, non-ret. dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
SA-504, non-ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
SA-505, non-ret. dms., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
SA-506, non-ret. dms., c.l., same basis lb. .19¾- —
l.c.l., same basis lb. .20¼- —
SA-600, non-ret. dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
SA-600-A, non-ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
SA-601, non-ret. dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —
SA-604, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
SA-605, non-ret. dms., c.l., same basis lb. .28½- —
l.c.l., same basis lb. .29 - —
SP-30, non-ret. dms., c.l., same basis lb. .18¾- —
l.c.l., same basis lb. .19¼- —
SP-31, non-ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
SP-40, non-ret. dms., c.l., same basis lb. .20¾- —
l.c.l., same basis lb. .21¼- —
SP-41, non-ret. dms., c.l., same basis lb. .20¾- —
l.c.l., same basis lb. .21¼- —


Heavy-duty ICC Drums and Bilged Barrels
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Light-gage Drums, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums
★
Lightweight Drums for Chemical and Powdered Materials
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NORTH KANSAS CITY, MO. • PORT ARTHUR, TEXAS
J&L STEEL

SCHENECTADY resins, SP-60, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
SP-62, non-ret. dms., c.l., same basis lb. .25½- —
l.c.l., same basis lb. .26 - —

Tankcar price is 1c. per lb. less than carload price. Freight is not paid or allowed to points south of Virginia and Kentucky, or west of the Mississippi River, excepting cities of St. Louis and Minneapolis. If shipments are specified by transportation means with rates in excess of minimum, the excess transportation will be charged to customer.

SILENE (see Calcium silicate hydrated under C in Current Market Quotations).

STAYBELITE ester, No. 1, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
No. 2, c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
No. 3, c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
No. 5, c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
No 10, c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
No. 2043-66, c.l., same basis lb. .21½- —
l.c.l., same basis lb. .22 - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

STRESEN-REUTER resins, 5511-1, dms., c.l., frt. alld., zone 1 lb. .22 - —
l.c.l., same basis lb. .22½- —
5513-1, dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
5515-1, dms., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 - —
5523-1, dms., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½- —
5525-1, dms., c.l., same basis lb. .13½- —
l.c.l., same basis lb. .14 - —
5526-1, dms. c.l., same basis lb. .13½- —
l.c.l., same basis lb. .14 - —
5530-1, dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
5535-1, dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —

Prices are f.o.b. Chicago, Ill., with minimum freight allowed to destination in zone 1, which includes the Midwestern states. For zone 2, which includes the Eastern and Southern states, add 1½c. per lb. to the above prices. Ten-drum lots are ¼c. per lb. higher than c.l. prices above, while tankcar quantities are ½c. per lb. below c.l. listings.

STYRESOL resins, 4250, dms., incl., c.l., dlvd. zones 1 and 2 lb. .23 - —
l.c.l., same basis lb. .23½- —
4400, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

SUPER-BECKACITE resins, 1001, dms. incl., c.l., dlvd., zones 1 and 2 lb. .34 - —
l.c.l., same basis lb. .34½- —
1003, dms., incl., c.l., same basis, lb. .32 - —
l.c.l., same basis lb. .32½- —
2000, dms., incl., c.l., same basis, lb. .30 - —
l.c.l., same basis lb. .30½- —
2100, dms. incl., c.l., same basis, lb. .22 - —
l.c.l., same basis lb. .22½- —
3011, dms. incl., c.l., same basis, lb. .33 - —
l.c.l., same basis lb. .33½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

SUPER-BECKAMINE resins, 3501, dms. incl., c.l., dlvd., zones 1 and 2 lb. .30 - —
l.c.l., same basis lb. .30½- —
3515, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .34½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

SYNARYL resins, S-78, dms. incl., non-ret., c.l., dlvd., zone 1, lb. .30 - —
l.c.l., same basis lb. .31 - —
109-A, dms., incl., non-ret., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½ - —
121, dms. incl., non-ret., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½ — —
134, dms. incl., non-ret., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½ - —
153, dms. incl., non-ret., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
234, dms. incl., non-ret., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
235, dms. incl., non-ret., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½ — —
SYNTEX resins, H-3, 100% solids, non-ret. dms., c.l., f.o.b., Louisville, Ky. lb. .21½- —
l.c.l., same basis lb. .22 - —
9 (or 1922) 50% solids, non-ret. dms., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
H-12, 50% solids, non-ret. dms., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
16, 60% solids, non-ret. dms., c.l., same basis lb. .27¼- —
l.c.l., same basis lb. .27¾- —
19-B, 50% solids, non-ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
19-C, 45% solids, non-ret. dms., c.l., same basis lb. .21¼- —
l.c.l., same basis lb. .21¾- —
23, 50% solids, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —

SYNTEX resins, 23-5D, 50% solids, non-ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
26, 50% solids, non-ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
28, 65% solids, non-ret. dms., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
32, 50% solids, non-ret. dms., c.l., same basis lb. .19¾- —
l.c.l., same basis lb. .20¼- —
40, 70% solids, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
54, 50% solids, non-ret. dms., c.l., same basis lb. .19¾- —
l.c.l., same basis lb. .20¼- —
55, 50% solids, non-ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
56, 70% solids, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
60-A, 70% solids, non-ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
115, 45% solids, non-ret. dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
115-D, 45% solids, non-ret. dms., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17 - —
121, 50% solids, non-ret. dms., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
128, 60% solids, non-ret. dms., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
130, 50% solids, non-ret. dms., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —

SYNTEX resins, 131, 40% solids, non-ret. dms., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .16¾- —
133, 50% solids, non-ret. dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
1979, 50% solids, non-ret. dms., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —

Prices are f.o.b. point of manufacture, freight prepaid and allowed to all destinations in the U.S.A. except the states of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

For shipments to the states listed above add ¾c. per pound to the l.c.l. price; for carloads add ½c. to the carload price.
Syntex Resins and Solutions may be assorted to get quantity price. For shipment in five-gallon pails, add 2c. per pound.

SYNTHE-COPAL resins, high acid, dms. incl., c.l., dlvd., zones 1 and 2 lb. .14½- —
l.c.l., same basis lb. .14¾- —
Low acid, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1202, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1204, dms. incl., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15¼- —
1210, dms. incl., c.l., same basis lb. .12¾- —
l.c.l., same basis lb. .13¼- —
P-251, dms. incl., c.l., same basis, lb. .16¾- —
l.c.l., same basis lb. .17¼- —
P-261, dms. incl., c.l., same basis, lb. .16¼- —
l.c.l., same basis lb. .16¾- —

SYNTHE-COPAL resins, P-377, dms. incl., same basis lb. .11 - —
l.c.l., same basis lb. .11½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. P-377 is available in tankcar quantities at 1c. per lb. below the c.l. quotation. For less-than-full-drum amounts of this material, add 2c. per lb. to the l.c.l. listing. Other grades in less-than-full-drum are 3c. per lb. higher than the l.c.l. price.

SYNVARITE resins, POS-50, dms., c.l., frt. alld. lb. .36 - —
l.c.l., same basis lb. .36½- —
POS-55, dms., c.l., same basis lb. .37 - —
l.c.l., same basis lb. .37½- —
POS-56, dms., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½- —

Minimum freight allowed.

SYNVAROL resins, BX, dms., c.l., frt. alld. lb. .26 - —
l.c.l., same basis lb. .26½- —
BX-5, dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —

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TEGLAC, 15, dms., c.l., frt. alld. E. lb. .23 - —
l.c.l., same basis lb. .23½- —
127, c.l., frt. alld lb. .21 - —
l.c.l., same basis lb. .21½- —
128, c.l., frt. alld lb. .21 - —
l.c.l., same basis lb. .21½- —

—Continued on page 90

Stop that hazing in *your* alkyd-based architectural finishes by using the new non-hazing AROPLAZ 1248-M. It gives you a brilliant gloss *that stays brilliant!*

Aroplaz 1248-M is being used by formulators of premium lines of white and colored finishes—where high gloss and gloss-retention are demanded. Write or phone us today for complete data and samples.

Specifications Aroplaz 1248-M

Non-Volatile:	69-71%
Solvent:	Mineral Spirits
Viscosity (G-H):	Z-Z₂ (22.7-36.2 poises)
Color (Gardner Stds-1933):	7-9
Acid Value of Non-Volatile:	8-12
Wt. per gal. @ 25°C. (Solution):	8.05-8.15 lbs.

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*AROFENE	—pure phenolics
*AROPLAZ	—alkyd and allied materials
ESTER GUMS	—all types
CONGO GUMS	—raw, fused, and esterified
NATURAL RESINS	—all standard grades

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Telephone: REctor 2-9820; Cable Address: Reporter, New York

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Problems of Tomorrow's Power

The nation's future power-plant is getting very much attention from prognosticators, planners, and promoters these days. These observers and commenters are in every walk in life. Their viewpoints are many—from scientific to political. What they see, what they foresee, and what they would like to see compose a very expansive heterogeneity—as is to be expected. The easiest observation to base on the situation is that synthetic liquid fuels have a hold on politicians and some scientists equal to the expectations of the lay public with reference to what is going to be done with the atom. And that does not exclude the observation that the human race began with Adam and will end with atom!

There is still all too much pronouncing that the Federal government should do most, if not all, of the pioneering, pilot-planting, and financial promotion of the development of an industry to produce liquid fuels by the processing of coal, oilshale, agricultural products, or something—maybe reviving the erstwhile belief that prehistoric fishes were the raw material from which petroleum was derived in the slow conversion processes of geology.

It must be admitted that there is something more than mere suspicion behind the belief of the Secretary of the Interior that, unless the government lends private industry the funds required to construct an adequate capacity of synthetic fuel plants, the national liquid fuel supply will continue to be dependent on petroleum until the problem of meeting the demand shall have become critical. Synthetic fuel plants cost real money. Investors, even for established, going, profitable enterprises, are currently a shy and furtive folk. Corporations have no monetary surpluses adequate to the plant costs involved. But, Uncle Sam already has difficulty in finding money for the continuous calls at the world's biggest establishment with a sign of three golden balls. And all too many of his taxpaying backers are only now getting part of what they long could not eat because of high prices. Also, many of them would object strenuously to financing the cooking of coal into gasoline when everybody knows that a couple of years from now splitting the atoms of a pint of seawater will provide enough power to run, at least, a herring trawler for a day!

There is a stronger appeal in the idea that the best source of the power needed for the progress of the national economy are the streams of the country. Everybody knows how much water flows to the sea "doin' nothin' fer nobuddy." Everybody knows how much water goes off the reservation every Spring in all parts of the country and does more damage than the dust storms which it could be reserved to prevent. Everybody knows that a properly designed system of dams will prevent flood damage in the freshet season and relieve drought a few months later. It is not quite so commonly known that between flood and field the same water will run dynamos which will make electricity which is a fairly good sort of power agent. So, hydroelectric developments are more easy to sell to the constituents of supporters required in Congress for a further spending program.

Of course, electricity flies no airplanes, speeds no sedans, and rolls no tractors. But, it can release petroleum products for such needs. Also, coal can be mechanically processed to make it far less disagreeable as a household fuel. And that can release more petroleum products. Natural gas can be compressed into very small volume. It is a good heating fuel. Really, there is no imperative demand that the people be taxed more heavily to provide a successor for gasoline, made from coal which it might cost the government another bundle of cash to get mined at any time of greatest need.

Putting Science to Better Use

The idea that scientific and technical information should be converted insofar as possible into useful knowledge is getting more support continuously. The feeling that the scientifically and technically trained can serve mankind far better by devoting less time to searching and more to teaching is spreading encouragingly in areas proffering, at least, fertility for its growth. In far too large a degree, the findings of the scientist and the technician have not yet been applied to the broad benefiting of the human race. Much that is promising of value is not at all used; much that is industrially applied, in field and in factory and in other areas contributing to the mineral, vegetable, and animal needs of man, is returning but a small percentage of its potential productiveness.

Yale University has appealed to its alumni for suggestions and assistance toward making science, technology, and engineering more useful to man. One purpose, perhaps the primary one, is to instill in the application of physical science a greater consciousness of its social potentialities and a recognition of the responsibilities which these, at least, connote. The basic program seeks to make use of institutions of learning of all degrees in the dissemination of information on the desirable and necessary relationships of the physical and the social sciences and in the development of those relationships along practical lines.

Another approach to the more beneficial utilization of physical scientific information is made in a bill (H.R. 1711) in Congress, which is designed "to provide for the dissemination of technological, scientific, and engineering information to American business and industry . . . ." This bill would establish within the Department of Commerce a "clearing house . . . to search for, collect, classify, coordinate, integrate, record, and catalog such information from whatever sources, foreign and domestic, that may be available; to make such information available to industry and business, to State and local governments, to other agencies of the Federal government, and to the general public through the preparation [and distribution] of abstracts, digests, translations, bibliographies, indexes, and microfilm and other reproductions . . . ."

If the national fountain of scientific information proposed in H.R. 1711 and the national science foundation which is again awaiting congressional authorization are provided, it certainly will be necessary to bring the Yale project to full realization. Otherwise, it would be expectable, everybody would know so much about physical possibilities that social necessities would fall still further into the neglect which has been so largely their contribution from technologic progress.

Washington Talks It Over

—*Continued from page 5*

terest until the student has graduated. The interest would be fixed at 2 percent a year. The loans would be paid back in monthly installments starting ten years after graduation. The loans would be cancelled in cases where the student suffered total or permanent disability after graduation.

Margarin Tax Muddle

Nothing has been said yet by the congressional committees as to when they will get around to consideration of the oleomargarin tax legislation, but it won't be delayed as long as it was last year. The committees of both the senate and the house which have jurisdiction over this subject are headed by Southern Democrats who are anxious to see the taxes repealed.

They are being forced to move with extreme care, however, because of threats of retaliatory actions by the embuttered dairy bloc. One such threat already has taken form. It is a bill that would repeal the present prohibition against the export of tobacco seed. Other retailiatory actions reported in mind are measures to reduce import duties on peanuts and do away with quotas on imports of long-staple cotton.

Recognizing the untenable position in which they stand of advocating a tax on a competing product, the dairy bloc has agreed to repeal of the oleomargarin taxes if Congress will tighten up the law against oleomargarin being sold or offered as butter by banning the manufacture and sale or yellow oleomargarin. But the vegetable oil bloc is confident it holds the whiphand and isn't falling for this "compromise."

Government Scientists Honored

Two of Uncle Sam's faithful workers have been awarded a gold medal, plus a certificate of merit and a gold lapel-button by Secretary of the Treasury John Snyder for exceptional civilian service. They were Peter J. Valaer, jr., a scientist in the Alcohol Tax Unit in Washington, and Charles M. Milos, associate chemist in the New York office of the Alcohol Tax Unit.

Mr. Valaer was given the medal for the preparation of a series of definitive articles for professional journals, dealing with new and improved methods of standarization, sampling, manufacture, and testing of various types of distilled and fermented beverages. Mr. Milos received the medal for the development of a method for the detection and estimation of heroin in the presence of other alkaloids, which has effected a great saving of time in his laboratory.

Congress authorized the government departments to recognize the good work of their employees in a law passed in 1946.

U.S. Knowhow for Europe

Later this month the first of some 500 British factory workers and foremen will begin to arrive in the United States for on-the-spot schooling in American industrial knowhow. Coming in a series of fifteen-man teams, each composed of technical men, supervisors, and ordinary production workers of a particular industry, they will spend six to eight weeks here.

The purpose is to see if some of the technics that have made our production processes so successful can be taken back and applied to British production methods, especially those now relatively inefficient. Efforts to transfer knowhow by oral and written explanation of better methods don't get enough results. Apparently the technics have to be seen to be believed and actually tried.

The British visitors will be the third of a group of teams to come to the United States to learn our ways of production. The first was a group of seven Norwegian trade union leaders who arrived here late last December. Next week a team of twenty men will arrive from Denmark to learn something of our skills in the shipbuilding, steelmaking, meat-packing, and machinery-manufacturing industries.

Opportunities for Collegians

The Bureau of Labor Statistics is predicting that the next few years will see an increased demand for college graduates in the fields of medicine, psychology, kindergarten and elementary school teaching, and certain phases of electricity. At the same time, competition will grow keener for positions in the fields of engineering, chemistry, pharmacy, law, and personnel relations.

The nation's demand for health service is outstripping the supply of newly graduated doctors and dentists, the bureau says. It estimated that "about two-thirds of this year's 5,543 medical graduates and all of the 1,515 dental graduates will be needed to replace the physicians and dentists lost to the field annually because of death or retirement." The bureau said that competition will increase for jobs among chemists with only bachelors' degrees, although those with advanced degrees will have better opportunities.

Engineering graduates will find the stiffest competition of any. Over 35,000 are expected to graduate this year, and close to 50,000 will receive bachelors' degrees in 1950. It is estimated that only 7,000 or so are needed to replace older engineers dropping out of the profession annually.

Government Activities Overlap

Some idea of the size of the Federal government and the reasons for the many complaints of inefficiency in its operations may be gleaned from the reports of the Hoover Commission on Organization of the Executive Branch. The commission's investigations have disclosed the fact that there are some 1,800 "bureaus," "commissions," "divisions," "departments," "adminstrations," and "offices." Twenty years ago these numbered about 350.

Just as examples of overlaps, conflicts of jurisdiction, competition, and waste, there are over thirty agencies engaged in lending money, making guarantees, or insurance activities; there are twenty-three agencies engaged in major construction activities competing with each other for labor and materials and scattered over eleven departments or agencies; there are ten agencies dealing with major transportation questions, not including regulatory functions, scattered through eight departments and independent agencies.

Mr. Hoover has also drawn up three lists of agencies, outside the regulatory agencies, that report direct to the President. One list shows sixty-five such agencies; another shows ninety-four; and still another shows 101, the discrepancy being a difference of opinion as to how much responsibility the President has for them. Of these, some eighteen or twenty are major operational "departments," or "administrations," leaving somewhere between forty-five and eighty secondary agencies reporting to the President—if they report to anyone.

If the President were to give each of them an hour a week, he would have no time for his major responsibilities in national policies and the conduct of the major "departments" and "administrations."

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Heavy Chemicals

Quicksilver was priced lower last week in a quiet market where small lot transactions predominated. More buyer resistance was reported in the markets for non-ferrous metals with a disposition to cover current requirements instead of future wants. Most of the heavy tonnage chemicals were in relatively free supply. There was no scarcity of light or dense soda ash for prompt shipment and there was plenty of liquid and dry caustic soda around to meet requirements. Demand for chlorine for the manufacture of chlorinated hydrocarbons and other chemicals was active enough to keep stocks down although the supply often eases at this period of the year and picks up early in the Spring. At present it looks as though the full output of present facilities will be necessary to meet the demand for chlorine and that a larger supply of electrolytic caustic can be expected.

Active demand for anhydrous and aqua ammonia has kept the supply situation tight. Glacial acetic acid stocks appeared ample to meet present wants and there was enough sulphuric acid to cover requirements promptly. Inquiry from the metal and dry cleaning trades was active enough to keep the chlorinated hydrocarbon solvents moving in satisfactory volume. New production of salt cake in Canada and decreased use in the kraft paper industry are expected to bring about better balance in the overall salt cake supply. Use of liquid carbon dioxide is expected to increase in the fire extinguishing field. White sal ammoniac has found a steady outlet in all but the leather industry. Agricultural inquiry for copper sulphate is expected to develop at the close of the month. Demand for ammonium bicarbonate has shown a seasonal falling off. Inventories of sodium nitrite have been kept low by steady buying mostly by packing-houses.

Paper production based on a percentage of six-day capacity was 95.3 percent for the week ending January 29, according to the American Pulp and Paper Association. This compared with 95.3 in the preceding week and 103.6 for the corresponding week in 1948.

Production figures appearing below, unless otherwise designated, are from the Chemical Division of the Tariff Commission. Export figures are from the Department of Commerce.

Aluminum Sulphate—Finding a steady outlet for home and export requirements. October exports amounted to 1,761,000 pounds, compared with 1,461,000 in October, 1947. Total exports for 10 months ending October 31, 1948, were 26,008,000 pounds, compared with 42,048,000 pounds for the corresponding period in 1947.

Ammonia Anhydrous—Heavy demand has prevented any easement in the supply situation of this material or aqua ammonia. A shortage of tankcars has contributed to the stringency prevailing in both of these markets. Exports of anhydrous ammonia during October amounted to 262,000 pounds, against 1,193,000 pounds for the same month in 1947. Exports for 10 months ending October 31, 1948, were 5,990,000 pounds compared with 10,215,000 pounds for a like period in the previous year.

Ammonium Bicarbonate—Seasonal slowing down in buying interest is noted after a satisfactory demand covering year-end requirements. Cracker bakeries are taking on material for actual wants. Stocks are ample to meet the current extent of consuming demand.

Ammoniac, Sal—White granular has continued to find a seasonal outlet to the dry-battery trade and other consuming industries aside from leather. Shipments to the latter trade are said to be below normal. The gray galvanizers' grade is moving on the basis of $6.55 for 100 pounds in carlots and at $6.95 in less freight equalized with recognized competitive points.

Arsenic—October imports of white arsenic amounted to 717,000 pounds of which 707,000 pounds came from Mexico. Total imports for September were 701,000 pounds. It is stated that imports are running about 25 percent below those of the previous year and it is difficult to foretell whether 1949 will see an increase in receipts.

Bleaching Powder—Production has leveled off requirements in a satisfactory manner. Export sales for 10 months in 1948 were only about half those of the preceding year. October shipments amounted to 505,000 pounds, against 672,000 pounds for the same month in 1947. Total exports from January through October, 1948, amounted to 4,513,000 pounds, compared with 9,146,000 for the corresponding period in 1947.

Calcium Carbide—Exports for October amounted to 1,463,000 pounds, compared with 3,132,000 for the same month in 1947. Total exports for 10 months ending October 31, 1948, were 29,982,000 pounds, against 37,252,000 for a like period in 1947.

Under the Norwegian Government's four-year program of economic development, it is planned to expand the output of calcium carbide by 40,000 metric tons annually by the end of that period.

Carbon Disulphide—November production showed little variation from the preceding month. The totals stood at 35,983,931 pounds in November and 35,926,315 in October.

Carbon Tetrachloride—Production in November amounted to 18,394,750 pounds, compared with 19,398,357 in the preceding month. Demand has continued steady with stocks short but showing gradual improvement. It is stated that the use of perchlorethylene is making considerable inroads on carbon tetrachloride as a dry cleaning solvent.

Chlorine—Stocks tight at most producing quarters. Some easement in the southwest was reported as a result of a large consuming plant being closed down by labor difficulties. Demand in the northern section has shown a seasonal falling off as the first two months of the year are considered the slowest consuming period. October exports amounted to 2,703,000 pounds, compared with 1,354,000 for the same month in 1947. Total export shipments for 10 months ending October 31, 1948, were 23,743,000 pounds, against 10,439,000 for the corresponding period in 1947.

Copper Sulphate—Market situation quiet last week with shipments confined almost entirely to industrial wants. Agricultural inquiry expected to develop at the close of the month. October exports amounted to 1,948,000 pounds to Latin America, the lowest total for any of the first 10 months of 1948.

Nickel Sulphate—Production has made headway in leveling off requirements although the active extent of consuming demand has made progress slow. Stocks short at present with prices steady.

Potash, Caustic—Production has continued to meet current requirements without difficulty and the market showed a well balanced position. Exports for October amounted to 1,354,000 pounds, against 2,314,000 for the preceding month. Total exports for 10 months ending October 31, 1948, were 18,926,000 pounds, compared with 13,879,000 for the same period in 1947.

Potassium Carbonate—Sustained output has eliminated short shipments of this chemical. Demand was described as seasonal with the movement to glass factories regulated by the amount of lead made available.

Potassium Chlorate—Moving mostly for current wants at present with stocks meeting demand promptly regardless of cutback production. Shipments to contract consumers have accounted for most of the week's movement.

Soda Ash—Present production is meeting domestic requirements readily and leaving some for competition in foreign markets. The supply situation may be described as easy with some producers in a position to consider new business of sizable dimensions. The market's price structure is firm and said to be at a level close to producing costs. The export movement in October amounted to 25,509,000 pounds, compared with 22,411,000 for

Market Trends

Prices Advanced
None

Prices Reduced
Quicksilver, $2 per flask.

Comparative Price Indexes
(100 - August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
236.3	236.3	236.3	204.1

Acids

Last week	Prev. week	Last month	Last year
122.8	122.8	122.8	119.7

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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Soda, Caustic—Stocks of both the liquid and dry forms remained relatively free last week with some producers looking for new business for prompt or future shipment. It is stated if the present demand for the manufacture of hydrocarbons and other chemicals is sustained, the production of chlorine will assure an ample output of electrolytic caustic soda. Export demand has relaxed to some extent although the movement has averaged above that of a year ago. During the 10 months ending October 31, 1948, foreign shipments amounted to 315,138,000 pounds, compared with 216,644,000 for the same time in 1947.

Sodium Bicarbonate—Supplies have continued sufficient to meet consuming requirements promptly both for home and export. Foreign shipments in October amounted to 2,344,000 pounds, against 4,869,000 pounds for the same month in 1947. Exports for 10 months ending October 31, 1948, were 34,362,000 pounds, compared with 49,590,000 for the same period in 1947.

Sodium Nitrite—Producers' inventories have been kept at a relatively low level through the maintenance of a steady demand. Packing houses were said to be the principal buyers.

Sodium Sulphide—Production is leveling off requirements of this material. Flaked in carlots is moving on the basis of $4.50 per 100 pounds and at $5.00 to $5.25 for smaller quantities. Fused is priced at $4.00 in ca[illegible] $4.75 for less. All prices f.o.b. the [illegible] freight equalized with recognized competitive points.

Zinc Sulphate—No unusual activity reported. Demand of seasonal dimensions was noted but the movement of stocks was chiefly against contract specifications. There was no change in prices.

Acids

Acetic—November production of synthetic established a new high record for the first 11 months of 1948. The total was 38,992,372 pounds, compared with 35,957,599 in the preceding month and a low of 29,323,834 pounds recorded in August. The amount of recovered acid in November was 156,250,882 pounds, against 160,787,009 pounds in the preceding month. Output of natural totaled 2,246,074 pounds, compared with 2,364,074 in October. Current supplies of glacial and also commercial grades have continued relatively free under moderate buying interest.

Chromic—Stocks remained tight over the turn of the month with demand active and prices firm. Shortage of supplies has restricted foreign shipments. October exports was 81,000 pounds, compared with 134,000 for the same month in 1947. Exports were 81,000 pounds, compared with 1948, totaled 1,417,000 pounds, against 1,328,000 for the corresponding period in 1947.

Muriatic—Market conditions appeared to be in a satisfactory state of balance at the beginning of the month. Domestic consumers have not found supplies much of a problem so far this year. Export sales have not compared favorably with those of a year ago. October exports amounted to 247,000 pounds, against 682,000 for the same month in 1947. Total exports for 10 months ending October 31, 1948, were 3,238,000 pounds, compared with 5,064,000 for the corresponding period of a year ago.

Oxalic—Current production is insufficient to meet requirements for this material. Contract consumers are said to be

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the only ones receiving shipments and these are behind schedule. It looks like tight buying conditions indefinitely.

Sulphuric—Maintenance of steady production has kept stocks available for immediate shipment in this area in drums, carboys and tankcars. Buying interest of seasonal dimensions was reported for home use with export trade rather spotty. Foreign shipments for October were 286,000 pounds, compared with 9,943,000 pounds for the same month in 1947. Exports for 10 months ending October 31, 1947, amounted to 17,764,000 pounds, against 22,752,000 for the corresponding period in 1947.

Non-Ferrous Metals

Aluminum — Production of primary aluminum in the United States showed an increase of about 100 million pounds in 1948 over 1947, the Aluminum Association reported. December production of 103,924,830 pounds brought the total for the year to 1,244,358,193 pounds, or about nine percent over the 1947 production of 1,143,500,000 pounds. Shipments of aluminum sheet, plate, and strip by association member companies totaled 93,031,446 pounds during December, to bring the year's total to 1,250,469,806 pounds.

Copper—No improvement could be voted in the supply situation. Current demand has continued to exceed available stocks by a wide margin and the market holds the same firm position previously noted. Cutback production at a strike-bound plant and the Government's stockpiling program are factors contributing strength to the market situation.

Lead—Maintenance of a heavy demand in the face of a shortage of stocks has kept the market firm and tight. According to the Lead Industries Association, producers have small stocks, so small that little or none can be drawn from them this year. Also manufacturers' inventories of lead are low. On the other hand it was stated that a gradual increase in mine production is expected providing the labor supply continues to improve and there is relative freedom from strikes. Also the huge supply of scrap that has been built up by the tremendous lead consumption of recent years, particularly in storage batteries, indicates large secondary production, although perhaps not equalling the last two years. There is every reason to expect imports to continue heavy. The suspension of the tariff on lead which passed Congress last year, expires June 30, but unless there is some drastic change

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Atlas Mineral Officer

Dr. Raymond B. Seymour has returned to the Atlas Mineral Products Company, New York, as executive vice-president and general manager. He was formerly associated with the company as chief chemist. In addition, he has held positions with the Goodyear Tire & Rubber Company and the Monsanto Chemical Company, was director of the Industrial Research Institute of the University of Chattanooga, and was director of special products research of Johnson & Johnson.

Talbot Heads Chemical Statistical Committee

Frank Talbot of the rubber and chemical division of the National Security Resources Board, was selected as chairman of the interdepartmental chemical statistics committee for the current year at the committee's last meeting earlier this month. He succeeds Henry O. Parsons of the Tariff Commission who served as chairman during 1948.

William E. Braithwaite of the National Bureau of Standards was named vice-president, succeeding Jack J. Gottsegen of the Bureau of Census, and Daniel F. McCarthy of the Tariff Commission was named secretary, succeeding Marguerite J. Schick of the Office of Domestic Commerce, Department of Commerce.

Sheridan Specialty Co. Formed

The Sheridan Specialty Company has been formed in New York by A. B. Balsam to engage in buying activities for the export-import trade. Mr. Balsam, who was formerly associated with the Asiatic Export Company, has established offices at 110 Worth street.

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in the lead situation it appears likely to be extended for another year. No permanent change in the lead tariff is contemplated as it is not listed for consideration in any of the reciprocal trade agreement negotiations that have been announced.

Bureau of Mines states that preliminary figures for 1948 show a total output of recoverable lead in Missouri, Oklahoma, Kansas, and Arkansas of 127,620 tons, comprising 100,460 tons from the Southeastern Missouri region, 27,100 tons from the Tri-State district, 40 tons from Central Missouri, and 20 tons from Arkansas. In 1947 the output totaled 153,838 tons and comprised 129,516 tons from Southeastern Missouri, 24,239 tons from the Tri-State district, 65 tons from central Missouri, and 18 tons from Arkansas.

Quicksilver—Buying interest continued quiet last week with trading confined to small lots for actual wants. Sales were reported at $90 per flask. There were no large inquiries in the market and it was stated that for round quantities $88 would be accepted. Importations included 750 flasks from Leghorn and Tampico.

San Francisco — Offerings have been off, prices steady. Call for quicksilver has been good. Metal was quoted between $92 and $94 per flask, f.o.b. this city.

Silver—Market position steady with moderate improvement reported in consuming demand. The official closing price for silver bullion in the New York market was 70c. per ounce. This price has prevailed for over two months.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42½d.

Zinc Concentrates—Despite a higher annual average concentrate market price than in any year prior to World War II the production of zinc in the Tri-State district (southwestern Missouri, Oklahoma, Kansas) in 1948 was the lowest in quantity since 1896, according to the Denver Office of the Bureau of Mines. Because of the high price, however, the total value of the zinc concentrates sold in 1948 nearly equaled that for 1939 and, except for 1937, was greater than the total annual value of the preceding nine years. The decrease of 22 percent from 1947 in zinc concentrate production was due largely to the idleness in 1948 of some of the marginal mines and tailing mills that contributed to the output in 1947 until federal premium payments ceased June 30, and a works stoppage lasting nine weeks at the mines and mills of one of the largest producers.

Trade Briefs

Witco Chemical Company has moved its Chicago office to 75 East Wacker drive, Chicago 1, Ill.

Arthur Minich, vice president in charge of research and development of Nuodex Products Co., Elizabeth, N. J., was among a group of forty-one New Jersey scientists who recently received Certificates of Appreciation awarded jointly by the Army and Navy for outstanding contributions to the Office of Scientific Research and Development during World War II.

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THIS ADVERTISEMENT is one of a series appearing in Time and Newsweek to broaden public understanding of the part Diamond Alkali chemicals play in everyday living. We will welcome your inquiries on our chemicals.

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Industrial Quality Control Symposium February 10

Under the joint auspices of the Philadelphia sections of the American Society for Testing Materials and the American Society for Quality Control, a two-session symposium on practical aspects of industrial quality control will be held in Philadelphia on February 10. Gen. Donald Armstrong, former president of the American Standards Association, and now president of the United States Pipe & Foundry Company, will be the guest speaker at the dinner, between the two sessions. He will talk on the subject, "The Executive Looks at Quality Control." The sessions will be held in McCallister's, 1811 Spring Garden street.

Papers to be presented at the afternoon session will be "Organizing for Quality and Waste Control," by Dr. Eugene H. MacNiece, Johnson & Johnson, and "Study of Process Capabilities and Application at the Foreman's Level," by Anthony Oladky, also of Johnson & Johnson. At the evening session Prof. J. M. Juran, New York University, will speak on "Mobilizing for Quality Control," and Simon Collier, Johns-Manville Corporation, will present a lecture and training film on quality control.

On March 22, the Philadelphia section of the ASTM will hold a meeting on industrial stream pollution. Speakers will be Dr. Norris W. Vaux, director of the department of health of the Commonwealth of Pennsylvania, who will discuss the "problem," and W. B. Hart, Atlantic Refining Company, who will discuss the "cure."

Refrigerant Leak Detector Offered by Kobbe Labs

A new-type detector for locating leaks of Freon, methyl chloride, and other halogenated hydrocarbon refinements has been developed by Kobbe Laboratories, 114 East Thirty-second street, New York 16. It is a fuselike device, the flame of which turns blue in the presence of the gases it is designed to discover.

Particulars and a sample may be got from the Kobbe office.

MCW Tells About 'Tones'

Pictone, Softone, Ultratone, Contratone, and Lithotone are the subject of a new booklet by Mallinckrodt Chemical Works. These "tones" are photographic developers, each with a special purpose. The booklet tells how to use them and when and where, and it says that they give better photos faster. Another of the Mallinckrodt photo-finishing agents told about in the booklet is Jiffix, "the ultra-rapid fixing bath," containing ammonium thiosulphate.

Rochow Awarded Medal For Silicon Research

Prof. Eugene G. Rochow, of Harvard University, has been chosen to receive the third Leo Hendrik Baekeland Award of the American Chemical Society's North Jersey section. Dr. Rochow was cited for his research on the compounds of silicon.

The award, established by the Bakelite Corporation and consisting of a gold medal and $1,000 in cash, will be presented at a meeting of the North Jersey section in the Essex House, Newark, on May 9.

Phila. Chemical Club to Meet

The Chemical Club of Philadelphia will meet at the North Hills Country Club on February 14. Following the dinner session, there will be a presentation of the motion picture, "Magazine Magic."

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Permutit Research Head

M. E. Gilwood has been appointed manager of chemical research for the Permutit Company, manufacturer of water conditioning equipment and ion exchangers, New York. Mr. Gilwood has been associated with the company for the past thirteen years, and was formerly assistant manager of research.

Thann-Mulhouse Property To Be Devested by OAP

The Office of Alien Property has filed notice of intention to return property of the French concern, Fabriques de Produits Chimiques de Thann et de Mulhouse, which was vested in 1942. The property is described as one-half interest in United States patent No. 2,345,170. The devesting order will become effective from February 26.

Behr-Manning Engages Schneider

Behr-Manning Corporation, coated abrasives and electro-flocked pile fabrics, Troy, N. Y., has announced the appointment of John H. Schneider to organize a patent department and undertake special duties as counsel. He was formerly senior patent attorney of Monsanto Chemical Company, St. Louis. As counsel he will give special attention to anti-trust legislation, government regulations and licensing.

White, Lynn Retire From Du Pont Company

Howard J. White, assistant manager of the rayon department of E. I. du Pont de Nemours & Co., and Charles A. Lynn, sales representative of the company's railroad finishes, retired from active duty with the organization at the end of January.

Mr. White joined the du Pont organization in 1915 at Carney's Point, N. J. He was later transferred to the experimental station in Wilmington and directed the production of what is believed to be the first nitrocellulose process yarn made in this country. Mr. Lynn joined the company in 1917 and has been a sales representative specializing in paints, varnishes, enamels and lacquers for railroads since 1922.

Japanese Chemical Output

(*January-August*, 1948)

Alcohol, absolute	kl.	511
Alcohol, hydrated	kl.	10.439
Aluminum	m.t.	1.927
Aluminum sulphate	m.t.	524.885
Antimony	kg.	24.021
Arsenous acid	kg.	925.700
Calcium carbide	m.t.	193.186
Calcium cyanamide	m.t.	119.634
Calcium superphosphate	m.t.	541.041
Coaltar	m.t.	90.073
Diesel oil	kl.	14.993
Dyestuffs	kg.	2.320.352
Fatty acids	m.t.	3.074
Fuel oil	kl.	10.460
Gas oil	kl.	6.425
Gasoline	kl.	12.768
Grease	m.t.	3.099
Kerosene	kl.	15.959
Lead	m.t.	5.707
Lubricating oil	kl.	22.825
Mercury	kg.	31.545
Paint	kg.	5.399.996
Paraffin	m.t.	220
Petroleum, crude	kl.	110.442
Petroleum, refined	kl.	107.210
Pyrites	m.t.	635.374
Silver	kg.	52.206
Soap	m.t.	4.446
Soda ash	m.t.	37.868
Soda, caustic	m.t.	50.695
Sulphur	m.t.	19.669
Sulphuric acid	m.t.	1.096.955
Tin	kg.	59.242
Zinc	m.t.	11.601

Carbide & Carbon Issues Film

Carbide & Carbon Chemicals Corporation, New York, has produced a new sixteen millimeter sound motion picture entitled "Fire Fighting with Wetter Water," which is available for showings to municipal, volunteer and industrial firemen or groups interested in fire fighting and fire prevention.

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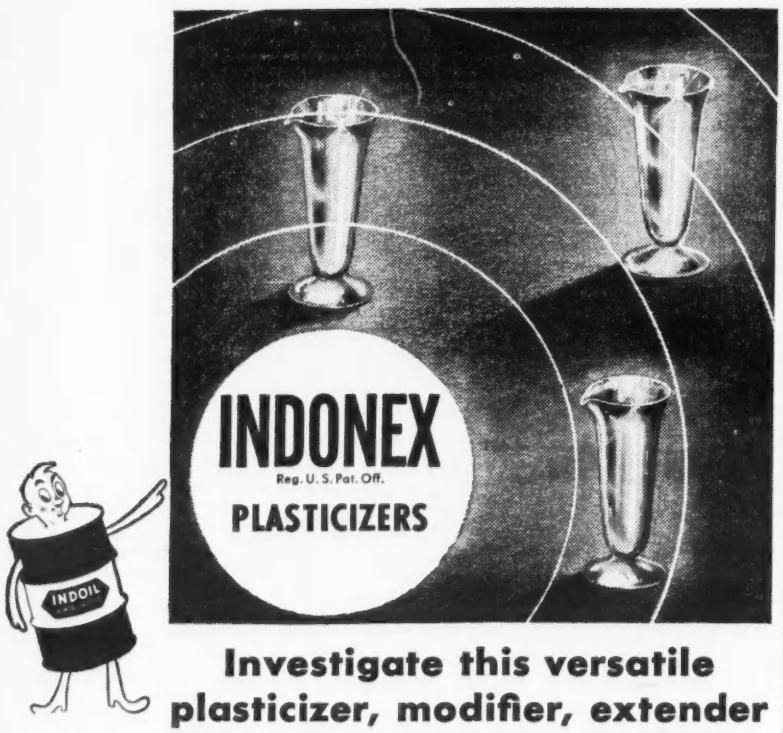

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INDONEX Plasticizers 633½, 634½, 638½ have found many applications in compounding of GR-S, Natural Rubber, Neoprene, Butyl and Acrylonitrile Copolymers. (Bulletin 13 and special circulars.)

Grade	633½	634½	638½
Color	Dark	Dark	Dark
Flash °F.	450	460	510
Pour °F.	35	40	70
Viscosity 210°F., Saybolt sec.	110	125	510
Evap. Loss mg/10g (1 hr. 100°C.)	5	5	3

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Chemical Reports Issued By Bureau of Standards

Recent publications of the National Bureau of Standards include the following reports on chemical subjects, which are available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, at the prices stated:—

Concentration of Isotopes of Mercury in Countercurrent Molecular Stills (RP1918), 10 cents.

Determination of Lactose Alone and in the Presence of Sucrose by the Method of Munson and Walker (RP1919), 10 cents.

Electrode Function (pH Response) of the Soda-Silica Glasses (RP1923), 10 cents.

Mass Spectrometric Investigations of the Thermal Decomposition of Polymers (RP1928), 10 cents.

Microbiological Deterioration of Organic Materials: Its Prevention and Method of Test (M188), 25 cents.

Table and Mollier Chart for Ammonia Below —60° F (C472), 10 cents.

Thickness of Inhibiting Films on Glass Electrode Surfaces (RP1915), 10 cents.

ECA Announces Additional

—Continued from page 5

fertilizers, $1,026,000 for industrial chemicals other than alcohol, $268,000 for medicinal and pharmaceutical preparations, all from the United States, and $986,000 for copra from the Philippines.

To Denmark—$1,400,000 for oilcake and meal from the United States and $440,000 for copra from the Philippines.

To France—$80,000 for essential oils from the United States and $1,000,000 for lead and lead products from Belgium.

To French zone Germany—$100,000 for crude glycerin from the United States.

To Iceland—$275,000 for nitrogenous fertilizer from Canada.

To Ireland—$26,000 for alcohol from the United States.

To Italy—$2,200,000 for soybeans, $2,079,000 for peanuts and $134,000 for miscellaneous nonferrous metals, all from the United States.

To Netherlands—$971,000 for nitrogenous fertilizers, and $10,000 for alcohol from the United States.

To Norway—$400,000 for copra from the Philippines.

To Sweden—$750,000 for industrial chemicals other than alcohol, $445,000 for chemicals and chemical preparations other than fertilizers, and $600,000 for nonmetallic minerals, all from the United States, and $150,000 for nonmetallic minerals from Canada.

To Trieste—$92,000 for medicinal and pharmaceutical preparations from the United States.

To United Kingdom—$1,820,000 for naval stores, $960,000 for alcohol, $3,900,000 for chemicals and chemical preparations, except fertilizer, and $1,500,000 for nonmetallic minerals, except petroleum, all from the United States.

Forest Products Research Society Membership Gains

The Forest Products Research Society, in reporting its progress at the end of its second year, has revealed that its membership now totals 1,850, compared with a roster of 1,022 at the end of its first year. The society is devoted to the interchange of information among all persons and organizations concerned with forest products.

Emulsol Issues Detergent Data

The Emulsol Corporation, Chicago, has published technical bulletin 21, describing the use of its "Emcol 4150" as a car and truck washing detergent. Copies may be obtained from the company at 59 East Madison street, Chicago.

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Petroleum Derivatives

Eastern marketers, taking their cue from lagging inquiry and mounting stocks, came up with their fourth round of price cuts on heavy fuels late last week. Meanwhile, Venezuelan crude, which leans heavily on United States fuel postings, received its second reduction and production cutback within two weeks. Also of interest were Pacific Coast lowerings on all grades of fuel.

The week's East Coast action, which dropped heavy fuels a flat 20 cents per barrel all along the Seaboard, brought the aggregate decrease on No. 6 oil since November to 90 cents. Declines in Venezuelan crude, which ranged from 5 cents to 15 cents, was accompanied by a slash of 6,000 barrels in daily output. On the Pacific Coast, heavy fuels were off by 25 cents, while medium and light grades were down 15 cents.

Liquefied petroleum gases tightened up with the onset of cold weather in the East and South. The previous surplus of butane in these areas disappeared, but regular accounts were still being easily accommodated at press time. Propane was slightly better off, and a few spot cars were still afloat at the end of the week. Further tightening was expected.

Aromatic solvents were available in sufficient quantities to cope with the requirements of contract customers. However, but for one producer who was reported to be taking on all comers, most producers had no material to spare for spot or export customers. Aliphatic materials were uniformly free, while demand continued on the sluggish side.

Solvents and Diluents

Aromatic Solvents—Contract buyers of petroleum toluol and xylol without exception continued well situated inventory-wise last week. Although regular customers were well supplied, the overall position of aromatics remained close, and most producers reported that current production was still insufficient to permit the acceptance of spot and export business. However, demand was sluggish, and one maker indicated that stocks of that company had eased enough to allow the taking on of spot and export accounts. Prices were steady in all areas, holding at 30c. per gallon, tanks, delivered.

Higher boiling range aromatics and aliphatic-aromatic blends, though similarly narrow, were said to be sufficiently stocked to cover the requirements of all regular industrial accounts. With the exception of one manufacturer, who was reported to be on the lookout for new accounts, most producers had no material to spare for outside buyers. Listings were firm during the week.

Cleaners' Naphtha—Supplies continued free during the past week. With regular demand still slow, producers were reported to be on the hunt for new business. In some quarters export bids were being entertained. The price structure was stable, remaining at 14c., East Coast, and 10⅝c. to 12c., group 3.

Lacquer Diluent—There was no appreciable increase in interest last week. Sales to the paint trade continued subnormal. Inventories were heavy, and offerings were freely available to all buyers. Quotations remained steady at 16c., East Coast, and 12¼c. to 13c., group 3.

Mineral Spirits—The market position of this aliphatic material was without appreciable change during the week. Material was ample, and offerings were being made to all comers. Demand, though slightly better than previous weeks, was still regarded to be under par. Listings were maintained at 14c., East Coast, and 10¼c. to 11½c., group 3.

Rubber Solvents—Prices held steady last week. East Coast producers continued to ask 15c., while group 3 refiners quoted 11c. to 11¾c. Inventories remained plentiful. Neither spot nor contract buyers experienced any difficulty in locating stocks. Demand was on the weak side.

Stoddard Solvent—No changes were reported in this section during the past week. Demand, which has been rising slightly during the past few weeks, was still very much below normal. The supply position remained excellent, and bids from all quarters were accommodated. Prices continued firm at 14c., East Coast, and 11c. to 11¾c., group 3.

V. M. & P. Naphtha—Prices held steady in all areas last week. In group 3, quotations ranged from 11¼c. to 12c., while on the East Coast listings were uniform at 15c. Stocks were similarly unchanged, continuing plentiful. Offerings were freely available. Demand was also without variance, remaining slow.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

Butane—The onset of cold weather in the East and South last week brought with it a rapid tightening of stocks. As of press time, regular buyers in these areas were still receiving sufficient material to meet their requirements. However, in the midwest and California, supplies were very low and makers were hard put to meet demands of all contract customers. Prices held firm at 6c., group 3.

Propane—Because of declining temperatures in the East and South last week, the supply position of this liquefied petroleum gas was narrower. As of press time, there were still a few spot cars available on the market, but these were expected to disappear shortly. In California and the midwest, stocks were very tight. Prices continued steady at 6c., group 3.

Waxes

Paraffin—Fully-refined wax was reported to be in ample supply, and most trade requirements were being satisfied. However, low melting paraffin remained short. Prices of crude scale were still not available on the open market. Fully-refined grades. However, held firm, quotations ranging from 6.9c., to 8c. per pound, carload, loose slabs.

Miscellaneous

Crude Oil—While the domestic market steadied following recent cuts in Pennsylvania grades, reductions of 5c. to 15c. per barrel were announced last week by Venezuela's leading producer. The move was accompanied by a cutback of 6,000 barrels in daily production. This is the second such combined action taken within two weeks. Earlier, postings were dropped 5c. to 20c. per barrel and output was slashed approximately 108,000 barrels per day. The trade attributed the declines in Venezuelan crude to recent price cuts on heavy fuel oils in United States markets. Venezuelan crude is used extensively in fuel oils.

Meanwhile, a spokesman for an East Coast refiner announced that imports of Middle East crude by that company will be reduced. At present this firm is bringing in about 90,000 barrels daily of the Middle East crude.

Fuel Oils—Listless buying and increasing inventories forced Eastern Seaboard marketers into their fourth round of reductions on heavy fuels late last week. The decreases, which amounted to a flat 20c. all along the East Coast, brought New York prices on No. 6 oil down to $2.15, or 90c. per barrel under levels prevailing in November. Meanwhile, on the Pacific Coast, heavy fuels fell off 25c., while medium and light grades dropped 15c. per barrel.

Crude Oil Stocks

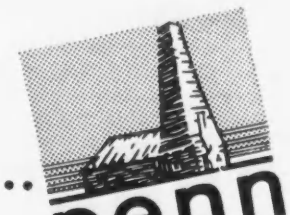
Stocks of domestic and foreign crude petroleum at the close of the week ended January 22 totaled 254,353,000 barrels, according to the Bureau of Mines. Compared with the total of 252,537,000 barrels for the preceding week, this represents an increase of 1,816,000 barrels, comprising an increase of 1,845,000 barrels in stocks of domestic crude and a decrease of 29,000 barrels in stocks of foreign crude.

Los Angeles Petroleum Market

Solvents and diluents were moving steadily here this week. Prices are steady. All calls for solvents could not be met, but diluents were in fair supply. Cleaners' naphtha was quoted at 15.9c. per gallon, tankwagon, ex-tax.

Call for propane and butane has been good. Supplies, though narrow, have been adequate despite the cold snap on the West Coast. Prices are steady. Propane and butane were quoted at 9.3c. per gallon, tankwagon, f.o.b. Wilmington, Calif.

For Late Market Developments, See Page 4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Isopropyl Ether—$C_6H_{14}OC_3H_7$
Methyl Ethyl Ketone—$CH_3COC_2H_5$
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Agricultural Chemicals

Higher prices have been made effective for ammonium-nitrogen-dolomite compounds as a result of increased producing costs. No other new price developments were announced. The Spring movement in superphosphate is said to be gaining momentum. Inventories of this material have increased because shipments of mixed fertilizer from works made an unusually slow start in the South. It was stated that the supply is not excessive on the basis of existing commitments. Potash shipments are running flush with contract schedules with mixers calling for full allotments and no cancellations. No easement from the heavy demand for ammonium sulphate could be noted. Nitrogenous process tankage is finding a seasonal outlet at former price levels. Demand for sodium nitrate has kept above the available supply. Packing-house by-products were relatively quiet with buying interest tapered off from the feed trade, but limited offerings prevented any price declines. Bone meal, both raw and steamed, was exceedingly scarce for prompt shipment. Passing of the production season for menhaden fish meal in the South has left the market in a nominal condition.

Nitrogenates

Ammonium Sulphate — Coke-oven sulphate has shown no indication of easement since the turn of the month. Demand is sustained at a level far enough ahead of production to hold the market definitely tight. Contract prices range from $45 to $48 per ton for bulk at the ovens.

Bone Meal—No material for prompt shipment was available last week. Demand for raw and steamed grades continued active with production temporarily under contract.

Castor Pomace—Available for prompt shipment at $27.50 per ton at the works. Stocks not heavy but meeting current requirements.

Dried Blood—Light trading was reported at $9.50 per unit of ammonia both here and in Chicago. Demand and offerings were of limited dimensions with the feed trade taking on stocks for actual requirements.

Fish Meal—Passing of the production season at North Carolina points has left the menhaden market a quiet affair with prices nominal. It is expected that fishing operations will be resumed sometime in April. Scrap prices temporarily are also quoted on a nominal basis.

Hoof Meal—Market situation quiet and steady with sellers naming $7 per unit of ammonia at Chicago. Last sales recorded were at this figure.

Nitrogenous Process Tankage — Producers quote from $3.50 to $4 per unit of ammonia, bulk f.o.b. the works. Demand seasonal with stocks meeting requirements without difficulty.

Sodium Nitrate—Maintenance of demand at a relatively high level has prevented any easement in buying conditions. Chilean nitrate firm at the late advance.

The nitrate plant of the Compania Salitrera Iquique at Taltal, Chile, has been reopened after fifteen years. It is expected to produce about 4,000 tons of nitrate monthly.

Tankage—Buying interest not aggressive during the past week but sufficient to sustain the market at $9 here and $9.50 per unit of ammonia at Chicago.

Phosphates

Phosphate Rock—Production has kept both domestic and export requirements pretty well leveled off. It is stated that acidulators in some instances have deferred shipments as the movement of superphosphate has been slower from plants than usual at this period of the year.

Exports of phosphate rock from Algeria in the third quarter of 1948 amounted to 161,547 metric tons.

Superphosphate—Spring movement continued to show improvement and stocks at eastern plants are gradually being liquidated. It was stated that, while large inventories exist, the supply is not excessive based on standing commitments. The stock accumulation is said to be the result of a later movement of mixed goods to farms than usual for the 1949 season.

Potashes

Shipments against contracts have continued to account for the movement of this material. Demand has been sustained at a high level and no cancellations are reported. Shipments are said to be running flush with schedules, and current production is being readily absorbed.

In the 1947-48 crop year, the United Kingdom's supplies of potassic fertilizers amounted to 120,000 long tons, according to foreign advices. This was 60,000 tons more than in the previous year.

Cottonseed Hull Ash—Sales are reported at $1.75 per unit of potash, in bags delivered. Stocks not large but still available at this price.

Market Trends

Prices Advanced

Ammonium-nitrate-dolomite, $3.50 per ton.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	74.5

(*For Current Prices see Page 9*)

Los Angeles Fertilizer Market

Los Angeles.—Fish meal was higher this week. Organics are in fair supply, but nitrogenous materials are short. Ruling prices:—Ammonium nitrate, $73.50 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16/20 grade f.o.b. Los Angeles, and $89.30 per ton for 11/48 grade f.o.b. this city. Ammonium sulphate, $52 in bags. Canadian material $54 in bags for January, $56 in bags for February, f.o.b. Los Angeles. Blood meal, $7 to $7.25 per unit of ammonia at source. Bone meal, $65 per ton for steamed 1/30 meal. Fish meal, $150 per ton f.o.b. Los Angeles for 60 percent California sardine meal. Sodium nitrate, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor. $5 off for bulk. Potassium muriate, 45½c. per unit f.o.b. Trona basis. Bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

It is expected that the supply of chemicals will be ample to meet requirements in 1949. This is particularly true of the synthetic organics such as benzene hexachloride, chlordane, toxaphene and parathion for which additional facilities have been or are being built. Department of Commerce states that one factor which may affect the demand for DDT this season is the reported resistance of flies in some areas to the residual killing effect.

Benzene Hexachloride—November production was placed at 1,137,205 pounds, compared with 1,447,378 pounds in the preceding month. The gamma isomer content of BH in November was 103,894 pounds, against 204,550 in October.

Calcium Arsenate—Total exports in October 1948 amounted to 530,000 pounds, of which 505,000 was destined to Peru. There were no exports during the previous two months. October exports of lead arsenate were only 16,000 pounds, 10,000 shipped to the Philippine Republic and 6,000 to Cuba.

2,4-D—Production in November totaled 2,301,436 pounds, compared with 2,319,271 pounds in October.

DDT—November production was at the highest level for any of the eleven months recorded in 1948. The total was 2,679,474 pounds, against 1,102,571 pounds in October and a low of 355,262 pounds recorded in June.

Nicotine Sulphate — October exports amounted to 31,000 pounds and included 18,000 pounds to Japan. The total was 18 percent below September exports when Japan was the principal country of destination.

Pyrethrum—October imports totaled 744,000 pounds, of which 390,000 came from British East Africa and the remainder from the Belgian Congo. September imports were 354,000 pounds. Department of Commerce states that demand for this product is on the decline and imports during the first nine months of 1948 were a little more than a quarter of those for the corresponding period in 1947. Both Belgian Congo and British East Africa have reduced acreages because of the decline in world markets. It was further stated that although for some purposes there is no substitute for pyrethrum, 1949 consumption probably will not be above that in 1948.

Toxaphene — (Camphene, chlorinated, 67-69%) is now priced at 24c. per pound in carlots of 66,000 pounds minimum; truckloads, 23,000 pounds minimum, 24c.; quantities from 2,000 pounds to truckloads, 27c., and less than 2,000 pounds, 30c. All

For Late Market Developments, See Page 4

prices are f.o.b. the works. Material is packed in 29-gauge steel drums holding 200 pounds.

Sulphur

The domestic sulphur industry produced 412,680 long tons of native sulphur during the month of November, according to reports to the Bureau of Mines. Total production during the first 11 months of 1948 was record at 4,553,197 long tons. Production for the same period in 1947 was 4,052,200. Producers' stocks at mines, in transit and in warehouses on November 30, 1948, were 3,226,170 long tons, against 3,435,298 on the corresponding date in the previous year.

Fertilizer Tag Sales: Dec

	Equivalent tons		
	December		Jan.-Dec.
	1948	1947	1948
Virginia	30.959	47.016	633.265
N. Carolina	147.446	191.199	1.550.322
So. Carolina	56.488	99.600	883.608
Georgia	47.272	72.626	1.179.879
Florida	85.619	99.110	748.023
Alabama	59.960	50.367	951.578
Tennessee	26.248	15.881	447.511
Arkansas	22.311	22.546	252.914
Texas	31.949	31.828	467.069
Oklahoma	250	3.692	120.736
Total South	508.502	633.865	7.244.905
Indiana	169.427	84.842	915.776
Kentucky	54.618	57.101	554.061
Missouri	30.111	31.330	421.407
Kansas	5.540	8.145	115.118
Total Midwest	259.696	181.418	2.006.362
Grand Total	768.198	815.283	9.251.267

John Powell & Co. Embarks On New Expansion Program

A comprehensive expansion plan, including organization of a new technical service department to aid customers in solving biological and technical problems, has been announced by John Powell & Co., manufacturer and supplier of insecticides and agricultural chemicals, New York. Kenneth Nash, former entomologist in charge of Powell's biological testing laboratory, is director of the new department.

Other steps include the transfer of Powell's laboratory to the Brooklyn plant, and the closing of the San Leandro, Calif., plant to make way for the opening of new facilities. In the interim, all West Coast matters will be handled by the New York office.

The St. Louis sales office is being transferred to Fort Worth, Tex., where additional warehouse facilities will be used. Ralph Morris will continue as regional sales manager at the new location.

H. Alvin Smith, Powell executive vice-president, also announces the appointment of Elizabeth Davison, chief sales correspondent, as assistant secretary of the firm.

Monson Joins Sales Staff Of Spencer Chemical Co.

The Spencer Chemical Company, Kansas City, Mo., has added Charles L. Monson to its fertilizer and chemical sales staff, with headquarters at 610 Dwight building, Kansas City. Previous to joining Spencer, Mr. Monson was manager of Monson's Feed, Seed & Farm Supply Company, Wichita, Kans.

Monsanto Advances Shumard

Monsanto Chemical Company, St. Louis, Mo., has appointed Roland S. Shumard coordinator of disinfectant and industrial preservative development of its organic chemicals division. Mr. Shumard, who has been with the company since 1937, will also direct the activities of its microbiological laboratory.

Pennsalt Advances Bixby

The Pennsylvania Salt Manufacturing Company, Philadelphia, has appointed Arthur F. Bixby assistant sales manager of its agricultural chemicals division.

Cleary Corporation Engages Sartoretto and Schwerdle

The W. A. Cleary Corporation, manufacturer of fungicides, herbicides, antiseptics and lecithin, New Brunswick, N. J., has added Dr. Paul Sartoretto and Arthur Schwerdle to the staff of its research department. Dr. Sartoretto was formerly technical director of the American Machine & Foundry Company, New York. Mr. Schwerdle formerly operated a business as research consultant, and was previously associated with the Sowa Chemical Company and the United States Rubber Company.

Emulsol Names Hukill Agent

The Emulsol Corporation, Chicago, has appointed the Hukill Chemical Company, Cleveland, its representative for the sale of chemicals to the agricultural, sanitation, industrial, food and cosmetic fields in Ohio and western Pennsylvania. The Hukill organization is located at 4614 Prospect avenue, Cleveland 3, Ohio.

Scar-Lipman Moves

Scar-Lipman & Co., supplier of domestic and imported fertilizer materials and chemicals, New York, has moved its offices to new quarters in the Empire State building. The telephone number is LOngacre 4-8078.

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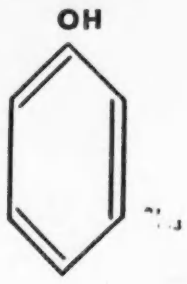

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Coaltar Chemicals

The coaltar chemicals market continued steady during the past week. There was some slight easing of supply here and there but it was of such proportions that the industry preferred to call it the result of an adjustment of buying habits, and felt it could have no serious effect on general market conditions. The weekly price index was unchanged at 141.3.

Producers and users of cresol were expected to show a keen interest in the announcement made during the week of a new process for manufacturing that material. The procedure was said to permit the making of a synthetic product at a cost lower than that prevailing for the natural material from coaltar. Details will be found in a news article printed elsewhere in this paper.

Basic materials were still more difficult to obtain than were the intermediates. In most cases, however, established customers were able to get enough material to satisfy their immediate needs. Naphthalene and phthalic anhydride were a bit easier as to supply because of a lessened demand, but drop in requests was expected to have no more than a temporary effect, the trade said. Prospects for sales during the coming year still looked good, it was reported.

Most producers were in agreement that the latter part of March or the early part of April would see an increase in turnover. They felt that by that time buyers would have definitely settled the schedules for their buying, and the industry was sure that the demand would still be there.

The operating rate of steel companies having 94 percent of the steel capacity of the industry was 100.9 percent of capacity last week. This was equivalent to 1,860,100 tons of steel ingots and castings, compared to 1,863,800 tons during the previous week; 1,694,300 tons one year ago and 1,281,210 tons for the average week of 1940, the higest pre-war year.

Basic Products

Benzol—Production of the motor grade material by coke-oven operators during the month of November amounted to 635,714 gallons, according to figures recently released. This was the second lowest production month of the year. The lowest was April during which time 618,589 gallons were produced. Figures still were not available on the production of the month of December. The high month as far as production was concerned last year was January, during which time the output amounted to 1,210,717 gallons. The next highest month was May, which showed an output of 919,070 gallons.

Output by tar distillers and from petroleum sources came to 890,464 gallons in November, which represented a considerable drop from the output of the previous month. The October figure was 1,000,307 gallons. The lowest production reported through November occured during August, at which time the output was recorded at 821,195 gallons. The highest production was in March, when the output amounted to 1,191,891 gallons.

Production by coke-oven operators during the month of November reached a total of 13,425,636 gallons, which was the highest output up to that time during 1948. The next highest production month was March, during which time the output amounted to 13,327,285 gallons. Output was lowest during the month of April, at which time the recorded manufacture was 10,423,913 gallons. The second lowest month for the period reported was July, when production amounted to 11,792,858 gallons.

Last week the market for benzol was reported to be in a largely unchanged position. Supplies were still on the tight side and there did not seem to be any immediate indications that they would ease by any appreciable amount in the near future. The demand continued to be strong and was expected to stay that way, at least for the time being. Prices held at their former levels and there were no immediate revisions that could be foreseen.

Coaltar—Demand for this material was still at strong levels during the past week and the indications were that it would continue that way for at least the immediate future. Supplies were still not completely free, although they could be obtained. Tankcar quantities were said to be a bit more difficult to get than were carload and less than carload lots, because in some cases it was necessary for producers to reduce the orders of large-quantity buyers in an effort to spread the supply around so that all customers might get a fair share. Pricewise, the market was reported to be quiet during the period under review, and there were no indications that there would be any changes made in the immediate future.

Creosote—November, the last month of 1948 for which figures were available, was the highest production month of the period as far as tar distillers were concerned. During that time the output amounted to 11,004,341 gallons. The second highest month was April, during which time production came to 9,874,299 gallons. Output was lowest in June, when it stood at 7,666,515 gallons. The second lowest month was March, at which time the recorded output was 8,630,036 gallons.

No particular changes were reported in the market conditions for this material during the past week. Demand was still not all that sellers hoped it would be, but it was explained that this was an off season for sales of the material. Snow and rain in the timber country were delaying the removal of lumber from the woods and this was naturally having its effect in retarding sales. There was some evidence, however, that weather conditions were increasing sales here and there. In those sections of the country that had been hit by severe storms, many poles were down and had to be replaced, and since creosote is a prime material for treating these poles, the demand from such sections was better. The overall picture, however, was still one of slow-moving sales, and those close to the trade said they were not expecting any great increase in demand until April or May. The prospects for the year in general were said to be better than for last year, it was said. The principal reason for this was the previous hand-to-mouth buying that had no doubt created a backlog of orders that would have to be filled. Supplies were ample and there was nothing like a shortage anticipated. It was expected that prices would remain at their current levels for the present time, although some sellers who were quoting the high-of-the-range figure were said to be willing to shade for large orders.

Cresol—Production of the metapara during the month of November, the last month for which figures were available, indicated that the output amounted to 793,364 pounds. March saw the highest production, for during that time 903,960 pounds were produced. The lowest recorded output was 582,893 pounds, which was noted in January. Production of the orthometapara during November came to 731,610 pounds, a considerable drop from the 1,011,150 pounds recorded in the preceding month, which was the highest output of the period. The lowest production was reported in April, during which time output amounted to 583,072 pounds.

The market for cresol was without particular change during the past week. There were no changes in listings reported and no indications that any were being planned for the immediate future. Stocks of the imported material were at good levels and were expected to remain in that position. The domestic was not so free as to supply and despite the fact that the industry was doing its best to keep production up, the

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
141.3	141.3	141.3	147.3

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended January 29 indicate the following output of by-products from that source:—

Ammonia liquid, NH_3	lbs.	1,291,420
Ammonium sulphate	lbs.	33,440,994
Benzol	gals.	4,214,109
Coaltar	gals.	15,627,985
Creosote oil	gals.	870,009
Naphthalene, crude	lbs.	2,066,272
Phenol	lbs.	244,690
Toluol	gals.	824,821
Xylol	gals.	190,314

For Late Market Developments, See Page 4

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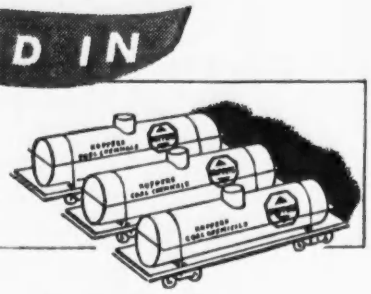

...barrels

bags...

KOPPERS

demand was strong enough to make this a relatively tight item.

A new process for manufacturing synthetic cresol, reportedly at costs lower than those of the natural product made from coaltar, was announced during the week. A complete explanation will be found in the news columns of this paper.

Cresylic Acid—Prices were reported to be holding firm at recently established levels, and there were no indications that any further changes were being planned for the immediate future. The supply and demand situation, too, was without noticeable change. Supplies of the domestic material were still not at such levels as to make it entirely free, although there had recently been reports of some improvement in the supply picture. The demand continued strong. The imported item was available in good quantities, but the demand for it was not so strong as to take it all off the market.

Production of the refined material during November, the last month for which figures were reported, amounted to 2,569,511 pounds, which represented a fairly good average over the period. June saw the highest output, when 2,742,977 pounds were reported. The lowest production was recorded in February, when production stood at 1,617,458 pounds.

Naphthalene—Production by tar distillers of the crude solidifying at less than 79°C amounted to 16,528,666 pounds during the month of November, the last month for which figures were available. The highest amount was turned out in the previous month, when 20,546,830 pounds were recorded. January of last year saw the smallest production, which amounted to 14,142,778 pounds. Production by tar distillers of the refined, solidifying at 79°C and over came to 6,571,444 pounds in November. The only month in the reported period that was lower was August, when 6,149,598 pounds were made. The highest production was noted in April, when 9,481,434 pounds were produced. The output by coke-oven operators of the crude, solidifying at less than 79°C came to 9,308,245 pounds in November. The highest for the reported period was 9,863,814 pounds, which were recorded in September.

The price listings of naphthalene were reported unchanged during the past week. There had recently been some talk about possible lower prices, but these still had not come about by last week and reliable sources in the trade felt there were no signs that they would. Demand has softened up a bit, but it was explained that the main reason for this was that buyers were working off some of their large inventories. Those with a good overall view of the industry pointed out that what softening there was was not serious and said they had no fears for the overall prospects for the year. Users of this material were now going through a period of readjustment of inventories, and it was said in some circles that this might continue through March.

Phenol—Output of this material during the month of November, the last month for which figures were available, amounted to 25,663,725 pounds. This was for both the synthetic and natural. During October production amounted to 27,535,860 pounds, the highest reported for the period. The lowest production was 15,177,809, which was reported for July. The price schedules for this material were reported unchanged during the week. The USP was said to be easing a slight bit but the technical was in an unchanged position.

Pyridin—Supplies of the pharmaceutical material were still on the tight side last week, with the demand unchanged from the previous period. The denaturing material was reported easing a slight bit as to supply, but the demand for it was still great, so that the improvement was still only relative.

Solvent Naphtha—The crude material was still coming in for a good demand during the past week, and the indications were that the demand would remain that way. The supplies were none too plentiful and there seemed to be no prospects of an immediate pick-up. There was reported to be some improvement in the supply condition of the refined material, but the demand continued strong, so that there were still no overstocks of the item on the market. Pricewise, there were no changes reported during the week and none were indicated for the immediate future.

Toluol—Demand for this material was still running on the strong side during the period under review and the indications were that this condition would prevail for the immediate future at least. The supply of the product was none too great, although as a general thing, old, established customers were able to obtain enough to satisfy their more urgent demands. Prices were reported to be unchanged during the

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week and there were no indications that there would be any changes in the immediate days to come.

Xylol — Pricewise, this material was holding to a steady level during the past week and the indications were that it would be unchanged in the immediate future, at least. The supply was still none too great and although established customers were able to get enough of the item to satisfy their demands, the others could not in every case be guaranteed such satisfaction. Demand was continuing strong and the indications were that it would go on that way for at least the immediate days to come.

Intermediates

Anilin Oil — Supplies of this material were at good levels during the past week. Requests had fallen off somewhat in the last month or so, but there was still a satisfactory demand being noted for the item. Prices held at their previous levels and there were no indications that there would be any changes in the immediate future.

Anilin Salt—Supplies of this item had been in a tight position but recently the situation shifted a bit so that now the supply and demand were approximately in balance. However, the demand was still far from slack, for as one quarter explained, it could still move every bit that it could make. There were no changes reported in listings during the period.

Anthraquinone — Supplies of this material were reported to be on the short side, while the demand was still holding up pretty well during the period under review. There was no change reported in price.

Dinitrochlorobenzene—As it had been for the past eight or nine months, the demand for this material was at a low point, while the stock situation was one of abundance. One producer last week said it had supplies that were unlimited. Pricewise, there was nothing new to report.

Phthalic Anhydride—This material was still going through what was called an adjustment period. It had been in tight supply all of last year, but the first of this year saw an easing as buyers began to work on smaller inventories and to estimate their requirements for the coming year. New production facilities had recently gone into operation, and a few weeks ago it was reported that the material was being offered on spot. This condition was not causing any particular alarm, however, for it was pointed out that this was merely a result of the adjustment period and that the overall outlook for sales was still good.

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Textile and Leather Chemicals

Price changes in this market were restricted to sizing materials, potato starch was advanced fractionally and egg albumen was reduced 2 cents per pound, bringing the price index down to 363.5, against 365.5 a month ago and 393.0 at this time last year.

Increased demand for potato starch strengthened this market. Prices were increased fractionally at both eastern and western producing points. Paper and textile mills showed more inquiry in replacements and the former absorbed sizable quantities for prompt and forward requirements. Reports from Maine indicated that more than half of the plants were shut down. Producers and government officials were discussing plans to resume grinding operations under a government support program. Corn dextrin was in improved demand, while corn starch continued inactive. Increased offerings of egg albumen combined with limited demand resulted in the decline of 2 cents per pound. Egg yolk was unchanged and remained steady. Tapioca flour remained firm and supplies of the better grades were scarce and more or less nominal.

Mill consumption and imports of apparel wool indicate slight declines during January-October, compared with the same period in 1947, according to a survey report of the Department of Agriculture. Consumption of apparel wool by domestic mills totaled 419,000,000 pounds, scoured basis during January-October, 1948, on a weekly basis, 4 percent below the same time in 1947. Consumption in 1949 was predicted between 850,000,000 and 950,000,000 pounds, grease basis by the department. The 1949 wool price support program will provide a national average price of 42.3c. per pound, grease basis, approximately the same as 1948 support level.

Selling prices for wool purchased by CCC under the 1949 support program will be the same as under the 1948 program, it was announced by the Department of Agriculture. The new schedule became effective February 1. Selling prices also were unchanged for most 1946, 1947 and 1948 program wools, while 1945 wools were reduced 3 cents per pound for clean and scoured.

Chemicals

Acetic Anhydride—Production of acetic anhydride was larger in November, than the previous month, totaling 73,450,185 pounds, against 69,857,397 pounds (revised) in October, according the Census Bureau.

Bichromates—Domestic needs continued to absorb the output against current contracts. Market was unchanged and in a firm position. Export business was restricted by the inability of getting licenses.

Sulphonated Oils—Demand for sulphonated oils was light and spotty, reflecting the lower trend of prices of basic animal and vegetable oils.

Sizing Materials

Blood Albumin — Consuming demand was restricted to prompt requirements. Quotations were unchanged for albumin and dried soluble blood.

Corn Dextrin—Improved consuming inquiry was reported for dextrin for prompt delivery. Prices were well held at former levels.

Corn Starch—Consumers continued to restrict purchases to actual needs and showed little interest in building inventories. Quotations were steady for all grades. Visible corn supply was increased 798,000 bushels to 47,085,000 bushels for the week ended January 29, compared with 15,235,000 bushels for the same time last year, it was reported by the Chicago Board of Trade.

Egg Albumin—Demand continued light for spot supplies owing to the nearness of the new season. Prices were easier and were shaded for good sized quantities. Edible flake ranged from $2.62 to $2.66 per pound, as to quantity Technical was unchanged at $1.48 to $1.55, same basis.

Production of liquid egg during December, 1948, totaled 2,918,000 pounds, compared with 3,849,000 pounds in same month last year. Liquid used for drying during the month was about 10 times larger than was used a year ago, while the quantity frozen was only about one-fourth as large. Dried egg production during December totaled 554,000 pounds, compared with 162,000 pounds in December, 1947. Production consisted of 339,000 pounds of whole eggs, 174,000 pounds of dried albumen, and 41,000 pounds of dried yolk. The preliminary estimate of the production of dried egg during 1948 totaled 43,492,000 pounds, compared with 85,561,000 pounds in 1947.

Market Trends

Prices Advanced

Potato starch, ¼c. per lb.

Prices Reduced

Egg albumen, 2c. per lb.

Comparative Price Indexes

(100 — August 1, 1914)

Last week	Prev. week	Last month	Last year
363.5	364.2	365.5	393.0

(For Current Prices see Page 9)

Egg Yolk—This market remained steady at current levels. Trading was routine and confined to small quantities for immediate delivery. Prices were unchanged at 94c. to $1 per pound, depending upon quantity. Production of dried yolk in December was reported at 41,000 pounds, compared with 58,000 pounds for the same time last year.

Potato Starch—Increased demand stiffened this market and prices were increased ¼c. per pound. A good volume of carlot business was reported for prompt and forward delivery for paper mills account. Carlots were raised to 6c. per pound, New York delivery, and lesser quantities to 7½c. to 7¾c. per pound, exwarehouse. Inquiry also was reported improved from other large users. Reports from Maine stated that half of the plants have been shut down and carried large inventories. Production in Idaho also was cut by the blizzards which reduced delivery of potatoes to mills. Lower rail freight rates effective February 12 on potato starch shipped from the West to points East of the Mississippi, will reduce the cost to buyers 20c. to 25c. per 100 pounds.

Sago Flour—Business was slow and the market unchanged. Supplies on the spot were quoted at 8¼c. per pound. Shipments were nominal at 7½c. to 7¾c. per pound, exdock.

Tapioca Flour—While this market was quiet, prices remained steady. High grades were in limited supply and nominal at 10½c. to 10¾c. per pound, as to quantity. Mediums ranged from 9c. to 9¾c. and low grades, 6¾c. to 7½c., same basis.

Tanning Materials

Chestnut Extract—There was little doing in this market. Small quantities were absorbed for actual needs. Quotations were without change.

Divi Divi—Although inquiry for shipment was spotty, the primary market remained steady. Available supplies of 43 percent tannin were well held at $64 per ton exdock.

Mangrove Bark—Inability to obtain supplies for shipment from primary centers, continued to affect business. Shippers were unable to fill orders for exportable sizes of not less than ⅜ of an inch in thickness, and the market was merely nominal. Arrivals of 1,200 bags of extract were reported at New York from Singapore.

Myrobalans—Trading was unimproved. Offers for shipment were maintained at current levels. Recent reports stated that the crop was reduced by hurricane damage. Genuine myrobalans were maintained at current levels.

Quebracho Extract—The bulk of recent transactions were reported for Paraguayan solid ordinary extract on the basis of 11⅜c. per pound, exdock, Atlantic ports, plus duty. Offers at this figure were still available. Quotations for the Argentine material were unchanged though unconfirmed rumors were in the trade that the price was cut to meet competition. Imports of Paraguayan extract totaled 5,745 bags at New York last week against former contracts.

Valonia—Trading in this material was inactive, because of the high prevailing prices for shipment. Production was reported reduced by drouth. Most of the business was reported for European account.

Wattle—Business was reported dull. Offers for shipment of both bark and extract were fairly liberal with tanners showing little interest in replacements. Quotations were more or less nominal. Arrivals of 3,840 bales of bark and 19,100 bags of extract were noted at Atlantic ports last week.

For Late Market Developments, See Page 4

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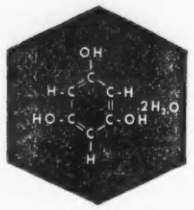

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Drugs and Fine Chemicals

There were numerous price changes in this market last week which had the effect of decreasing the index number 0.1 point. The advances were confined to cinchophen and some of the sulpha drugs, while the declines affected milk powders, menthol, and certain industrial solvents.

Alcohol dropped another 4 cents last week which brought the price level down dangerously close to the cost at the factory of even the low cost producers, allowing nothing for distribution costs. Any further declines would carry the market below cost, as the alcohol industry was apparently bent on competitively pricing itself into a loss operation. This was considered an unhealthy situation for the chemical industry in general, and its effect was becoming apparent in other solvents which are related to alcohol either through chemical derivation or in industrial end-use.

The pharmaceutical industry reported a generally quiet situation, with most prices holding firm. Industrial organic chemicals were reported to be off in demand, particularly on those items which were tending toward lower prices, because buyers were inclined to hold inventories to a minimum. Most items being now in free supply, consumers were limiting purchases to immediate needs, knowing that prompt delivery could be had.

Acetone—The general price softening developments in the industrial solvents market over recent weeks, led by the drastic plunges in ethyl alcohol over the past two months or more, led to a reduction effected last week in the price of acetone. There were rumors of price shading in acetone being made occasionally, and finally confirmation of certain individual price concessions. These softening price tendencies in acetone accordingly resulted in a 1c. per pound lowering of official price schedules at the middle of the week.

Alcohol—As a result of alcohol price movements during the week, official price quotations were dropped a total of 4 cents per gallon last week.

By early last week all major producers of ethyl alcohol were at least quoting no higher prices than the low side of the range as quoted in the prices current section of OPD, and which represented the market as we went to press on Friday. The week had scarcely begun when a leading producer dropped price quotations still lower, and market was generally off by 2 cents under late Friday quotations, bringing pure 190 proof alcohol to 30 cents on a tax free basis. In addition, the price of 23-H was dropped to 30 cents, meeting the price reduction effected on isopropyl alcohol. This left the market by the mid-week at price levels which could be considered below the cost at the factory of many producers, with nothing left over for distribution costs, which usually are figured at 5 cents per gallon, on the average, for delivery nationwide.

It is more than a mere assumption to say that at current price levels of 28 cent alcohol, and the pricing of certain other denatured formulas such as 23-H at 30 cents when it costs 3 to 4 cents per gallon to denature it, that the industry was pricing itself out of a profit. This was true even where producers were able to get low cost molasses or making it synthetically because distribution and overhead costs were eating up the small margin of profit usually figured into production operations. In summarizing the situation in our January 10 issue as of that date, we wrote that the possibility of the market dropping below manufacturing costs temporarily could not be ruled out. Without revealing what factory costs on alcohol manufacture actually are, and they vary slightly between different producers, it can be said that any drop in alcohol prices below the 28 cent level, as some of the denatured formulas would now figure to be, makes the selling of alcohol a loss operation to either synthetic or fermentation producers.

Castor Oil—The price situation in this market remained unchanged, and castor beans were still quoted at $125 per long ton. Last week saw what was reported to be the largest shipment of castor beans direct to one company, ever to arrive in one shipment, and it amounted to 68,000 bags.

Arrivals of castor beans last week amounted to 127,821 bags equivalent to 19,173,150 pounds, compared with 5,284 bags or 792,600 pounds the previous week, and 47,511 bags or 7,126,650 pounds during the corresponding week of last year.

Total arrivals of castor beans since January 1 amounted to 356,636 bags, equivalent to 53,495,400 pounds, compared to 189,718 bags or 28,457,700 pounds during the corresponding period of last year.

Cinchophen—The price of this NF phenylcinchoninic acid was advanced 50c. per pound effective February 1. This change brought f.o.b. price quotations on the standard density material to $4.50 per pound in 100 pound lots, $4.65 for 50 pound lots, and $4.85 for 25 pound lots. The heavy density conchophen was accordingly listed at $4.70 per pound for shipments of 100 pounds or more, $4.85 for 50 pound quantities, and $5.05 for the 25 pound minimum shipment quantity.

Cinchophen-Sodium—The new price structure on this item, after an advance of 50c. per pound effective February 1, became $5.50 per pound for shipments of 100 pounds or more, $5.65 for 50 pound shipments, and $5.85 for lots of 25 pounds. Back of the price advances on both cinchophen and cinchophen sodium was the progressively increasing freight rates, manufacturing costs, and operational costs which had for a long time not been reflected in the price quotations on these items.

Ethyl Acetate—This solvent was reduced 2c. per pound last week on all grades, and on both the synthetic and the fermentation source materials. Some downward adjustment was anticipated for a long time in view of the performance of the alcohol market. Amyl acetate led the move of ester solvents in a downward trend, and was last week followed by reduction in ethyl acetate and isopropyl acetate. Isopropyl acetate and ethyl acetate aim at comparable markets. These ester moves, as well as the reduction in acetone tend to threaten still further the firm price position that has been maintained on the other ketone solvents and such materials as butyl alcohol and butyl acetate.

Tankcar quotations on isopropyl acetate became 10c. per pound and the 85 to 88 percent ethyl acetate was quoted at the same level. The 95 to 98 percent grade of ethyl acetate was quoted at 10¼c. per pound, while the 99 percent material was listed at 10½ to 10¾c.

Isopropyl Acetate—This item was reduced in price 2c. per pound last week, reflecting the recent price reductions in isopropyl alcohol, together with the competitive effect of ethyl alcohol and acetate which was moving at lower price levels. This solvent is largely competitive with ethyl acetate, both being aimed at much the same end use markets. The lowering of prices was due primarily to these competitive effects, rather than the value of the solvent as such in the products in which it is used.

Isopropyl Alcohol—The price structure of all grades of isopropanol was reduced 5½c. last week as a result of the competitive influence of ethyl alcohol on isopropanol outlets. Meanwhile, producers of ethyl alcohol of the rubbing type, specially the denatured formula 23-H, reduced their price again to the new levels of isopropyl alcohol, which might well indicate that a still further reduction in isopropanol prices is imminent. The current new price schedule on isopropyl alcohol in tankcars was 28c. per gallon for the 91 percent grade, 29½c. for the 95 percent grade, and 31c. for the 99 percent grade. What the price would be early next week in view of the action of ethyl

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cinchophen, 50c. per lb.
Cinchophen-sodium, 50c. per lb.
Sulphadiazine, $1.40 per lb.
Sulphadiazine-sodium, $1.40 per lb.
Sulphamerazine, $1.40 per lb.
Sulphamerazine-sodium, $1.40 per lb.
Sulphanilamide, 25c. per lb.
Sulphathiozole, 50c. per lb.
Sulphathiozole-sodium, 50c. per lb.

Prices Reduced

Acetone, 1c. per lb.
Alcohol, ethyl, 4c. per gal.
isopropyl, 5½c. per gal.
Ethyl acetate, 2c. per lb.
Isopropyl acetate, 2c. per lb.
Menthol, 25c. per lb.
Milk powder, skimmed, roller process, ½c. per lb.
spray process, 1½c. per lb.
whole, roller process, 7c. per lb.
spray process, 3½c. per lb.

Comparative Price Indexes

(100 = August 1, 1914)

Last week	Prev. week	Last month	Last year
257.4	257.5	258.4	256.6

(For Current Prices see Page 9)

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alcohol producers was a matter of conjecture.

Menthol—The price position of this item declined at the beginning of February as a result of lower offerings at primary markets, and the approaching new crop material which is about due. The current price range on spot material was $8.75 to $9 per pound. Imports last week amounted to 115 cases.

Methylpentanediol—This material which is also marketed under the name of hexyleneglycol was currently quoted on a delivered basis at 15c. per pound in tank-cars, 16½c. in drum carlots, and 17c. in less than drum carlots. The product referred to in this paragraph is chemically designated as the 2-methyl-2:4-pentanediol which is the same as hexyleneglycol, rather than the 2-methyl-1:3-pentanediol, although the latter is reportedly competitive with these.

Milk Powder—The price structure of this item continued to decline to new lower levels last week. Roller process skimmed powder was quoted variously from 10c. to 14¼c. per pound, while the spray process material quoted in the range of 11½c. to 15½c. Whole milk powder was offered at 29½ to 38¼c. for the roller process material, and 30½c. to 39¼c. for the spray process milk. The declining market was the result of competitive influences in a market of abundant supply which was no longer supported by government purchases. More skimmed milk powder was said to be moving into the production of casein.

The Dry Milk Institute reported that it has met with the Department of Agriculture for the discussion of price supports, and meanwhile dairy leaders have met to discuss parity for manufacturing milk.

Total government purchases during the year 1948 were reported as follows: dry whole milk, 11,805,384 pounds; dry whey solids, 352,000 pounds; spray process skimmed milk, 86,189,591 pounds; and roller process skimmed milk 61,052,359 pounds. The purchase price ranged over the year on dry whole milk in 25 pound tins from a low of 43.75 in April to a high of 46.22 in July. For dry whey solids in drums the price over the year on government purchases held firm at 12.17. On spray process skimmed milk the government prices varied on barrel or drum packages from a low of 14.50 in March to a high of 16.25 in November, and then dropped in December to as low as 13.25. For roller process skimmed milk powder packaged in barrels or drums, the government purchase price ranged over the year from a high of 15.33 in October to a low of 12.45 in December.

Sulphadiazine—The price of this material effective February 1 were advanced by an amount equivalent on 100 pound quantities to $1.40 per pound. The new price schedule became $10.25 per pound in 1,000-pound lots, $10.30 in 500-pound lots, $10.40 in 100-pound lots, and $10.75 in 25-pound lots. These prices were on an f.o.b. basis. The reason for the advance was to be found in an accumulation on increasing freight, labor, and manufacturing costs over a long period of time while this item was firm in price. The price of sulphadiazine free flowing crystals was $1 per pound over the above schedule.

Sulphadiazine-Sodium—The price position of the sodium material moved simultaneously upward with the regular material, and by a comparable amount. The new price schedule became $11.25 per pound in lots of 1,000 pounds, $11.30 for 500-pound lots, $11.40 for 100-pound lots, and $11.75 for 25-pound lots. Free flowing crystals carried a premium of $1 per pound over these quotations. These prices were on an f.o.b. basis. The reasons for the advance were identical with those for the other sulpha drugs which moved at this time.

Sulphamerazine—This sulpha drug moved upward in price along with several others in a price advance that on a 100-pound lot basis amounted to $1.40 per pound. The new price schedule, which like former schedules was on a f.o.b. basis, listed 1,000-pound lots at $10.25 per pound, 500-pound lots at $10.30, 100-pound lots at $10.40, and 25-pound lots at $10.75. The reasons behind this advance were to be found in increased manufacturing, operational, and shipping costs which had

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advanced from time to time without any comparable adjustment being made in the price quotations on this item.

Sulphamerazine - Sodium — This USP material advanced in price effective February 1 by an amount comparable with the sulphamerazine, which brought current quotations to $11.25 per pound for lots of 1,000 pounds or more, $11.30 for 500-pound lots, and $11.40 for 100-pound lots, with 25 pound quantities quoted at $11.75.

Sulphanilamide — Effective February 1 the price position of this material was advanced by all major producers by 25c. per pound. The price position on this item had been firm for a long time, and the increased manufacturing, labor, raw material, and accumulated freight increases had not been taken into account in its pricing. Accordingly, an upward price adjustment was due, and was just now taking on a delayed effect.

The new price schedule became $1.30 per pound in 1,000-pound lots, $1.35 in 100-pound lots, $1.45 in 50-pound lots, and $1.50 in 15-pound lots. Free flowing crystals were priced 10c. per pound higher. These prices were on an f.o.b. basis.

The N-acetyl sulphanilimide price schedule was unchanged, except that quotations on smaller lots were inserted in current listings. Lots of 100-pounds were quoted f.o.b. at $4.25 per pound, while 50-pound lots were listed at $4.40 per pound, and 25-pound lots at $4.60. The sodium product was quoted at $5.50 per pound in 100-pound quantities.

Sulphathiozole—The price quotations on this item were advanced effective February 1 by 50c. per pound reflecting the greater level of manufacturing, freight, and labor costs that over the past months have increased numerous times without any comparable price adjustment being made in this item. The new price schedule became $3.50 per pound for shipments of 1,000 pounds or more, $3.55 for 500-pound lots, $3.65 for 100-pound lots, and quantities of 25 pounds were listed at $4. These prices were on an f.o.b. basis. The free flowing crystals were likewise advanced 50c. per pound, bringing 1,000-pound quotations to $4 per pound 500 pound lots to $4.05, 100-pound lots to $4.15, and 25-pound quantities to $4.50. The sodium-sulphathiazole was advanced 50c. per pound, and was quoted at identical price levels with sulphathiozole.

Theobromine and Salts—With respect to the 75c. per pound price reduction reported on this item the previous week, it should be noted that the price decline effected on this item was made as a result of manufacturers passing on certain savings which were effected as a result of lower raw material costs, despite continued high manufacturing and labor costs. The demand was also somewhat under former levels and supplies were quite adequate creating a competitive situation that contributed to the price reduction. When this item dropped, certain other competitive vaso-dialators and diuretics were likewise reduced, particularly aminophylline and theophylline.

Theophylline—A price reduction of 40c. per pound was effected on this item which brought price schedules on 100 pound quantities down from $8 to a new level of $7.60. In 50 pound lots the new price was $7.70, and in 25 pound lots $7.75. This material moved at the same time as the diamine, and essentially for the same competitive reasons as applied to aminophylline. Demand was off from former levels and supplies were plentiful.

dl-Threonine — This material was one of the essential amino acids which moved in only small quantities. Prices were quoted currently at $115 for 100 gram lots. Not that any substantial quantity ever moves in kilo lots, but the kilo price was $1,100.00.

Tyrothricin—In our issues of January 24, we erroneously quoted the prices of bacitracin for tyrothricin in both the prices current and in our market column. Tyrothricin in currently priced at $1.15 to $1.25 per gram, and it is sold on this basis rather than on a unit basis as is bacitracin. Demand was reported as growing since the use of this newer antibiotic became more widespread.

Zinc Stearate — The USP material dropped another 3c. the previous week, along with the other metallic stearates. The price of stearates has fluctuated rather frequently over the past year as a result of up and down price movements in stearic acid as the latter reflected the tallow market. In addition there has been several increases in zinc metal. The stearate, of course varies in price much more than most of the other zinc salts, because its cost is so much affected by the fluctuating of stearic acid. The new price level in carlots was 39c. per pound, and 40c. in less than carlots.

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HAND IN HAND WITH INDUSTRY

What Is the ITO?

The following is the last of a series of three articles answering questions concerning the proposed International Trade Organization. The questions and answers have been published in booklet form by the Office of Public Affairs of the Department of State.

Q. Does the charter protect United States investors in foreign countries?

A. One aim of the charter is to encourage the international flow of capital for productive purposes.

The charter recognizes the right of countries to prescribe the terms upon which they will allow existing and future foreign investments. The United States and other countries have always insisted upon this right as an essential element of their sovereignty.

However, under the charter all members pledge themselves to provide "adequate security for existing and future investments" and not to take "unreasonable or unjustifiable action" injurious to foreign investment within their territories. In the past, many countries claimed the right to take any action whatsoever regarding foreign investment in their jurisdiction. Accordingly, American investments abroad were often injured by actions of other governments and compensation was often inadequate. The charter commitment by all member countries to provide adequate security to foreign investments, and not to take unreasonable action injurious to foreign investment, represents a major advance over current practice.

Under the charter, members agree, if requested by another member, to negotiate bilateral agreements for more detailed arrangements regarding foreign investments. They agree to consult with each other when differences of opinion arise regarding foreign investment. If unable to agree among themselves, they may refer such conflicts to the ITO, and if a country does not observe an ITO decision, the ITO may authorize other members to withdraw charter benefits from that country. In cases involving legal differences, the disputes may be referred to the International Court of Justice.

Q. Why are there "escape clauses" or exceptions in the charter?

A. Certain "escape clauses" or exceptions have been included in the charter to allow for unusual circumstances requiring some departure on the part of a member form the strict rules of ITO. One of the principal reasons for these exceptions is to meet current abnormal conditions arising out of World War II. There are no "blanket" exceptions to the charter; each exception is specifically defined and can be used only if certain stated requirements are satisfied.

These escape clauses, some of which were included in the charter at the request of other countries and others at the request of the United States, simply recognize practical situations and provide a method of dealing with them in terms of the long-run principles of the charter. For example, one principle is that countries should not use quotas to restrict their trade. But now many countries lack foreign exchange to pay for all the imports they want. The charter allows them to use quotas, to budget their imports to essential products and to keep their imports within their means of payment, as long as they are short of foreign exchange; but as soon as the shortage is over, they must not use quotas for such restrictive purposes.

Another long-run principle is that countries should negotiate for the reduction of trade barriers. The charter recognizes, however, that this commitment cannot be carried out effectively without the safeguard that in individual cases, where abnormally large imports of a particular product injure the domestic industry, the tariff reduction granted on that product in an agreement may be withdrawn.

The exceptions make it possible for countries to adopt the charter now, and enable them to put into effect immediately many of its provisions which can be applied at once and which in themselves hasten the return of orderly international trade. At the same time, the charter, by fixing the long-run principles of trade, enables countries to plan now their lon-run course of action, on the basis of prospective cooperative trade relations rather than economic warfare; and this, too, hastens the return of orderly international trade. Thus the charter is a practical instrument to guide nations towards a cooperative expansion of world trade.

Q. Would it be better to postpone adoption of the charter until world economic conditions return to normal?

A. A major purpose of the charter is to establish trading practices that will hasten world economic recovery. To postpone adoption of the charter would be to delay recovery.

Many provisions of the charter would have practical application at once. Among these are provisions for simplification of customs formalities, procedures for making commodity agreements equitable to both producing and consuming countries,

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procedures for curbing cartel practices that restrict international trade, rules for governing trade relations between state-trading and private enterprise countries, commitments to negotiate for the reduction of world trade barriers, commitments to provide adequate security for foreign investments, methods for settling international trade disputes, and so forth.

There are some important cases where the full effect of the charter principles will not be felt until the world returns to a more orderly economic life. The principal case is that allowing countries to use discriminatory quotas when faced with balance-of-payments difficulties. Even in such cases, the charter contains provisions which have immediate effect — for example, the procedures for an orderly application of such quotas so as to disturb trade as little as possible and the procedures for terminating the use of these quotas when the country concerned no longer faces balance-of-payment difficulties.

The charter establishes a pattern for world trading practices that will lead to an expansion of world trade. It creates this pattern now before restrictive and discriminatory practices freeze into a mold too hard to break after the transition period is ended.

Q. Will countries in economic and political difficulty be able to put the charter into effect?

A. The charter is a realistic document which takes into account present emergency conditions facing most countries. It provides certain carefully defined and limited exceptions to enable member nations to cope with current abnormal conditions and, at the same time, to determine their long-run course of action in terms of charter principles. Agreement upon the long-run course of action will hasten the end of the transition period. Absence of agreement, with the prospect of future economic warfare, would prolong the transition period.

Many provisions of the charter would have immediate applicability by all countries. Even in cases where certain provisions cannot be applied immediately by some countries, the charter provides a procedure to pass through the transition period with a minimum disturbance of orderly trade. Countries demonstrated their will to work together along the lines of the charter when their representatives agreed upon its formulation and when twenty-three countries concluded the general agreement on tariffs and trade, the most comprehensive effort ever undertaken to reduce world trade barriers.

Q. Would renegotiation of the charter result in a better document?

A. The United States and the United Kingdom reached agreement on broad lines of post-war commercial policy under the Atlantic Charter of 1941. At the Bretton Woods conference of 1944 forty-four countries agreed upon the objectives for an international economic policy. Thereafter, a preparatory committee of eighteen countries established by the Economic and Social Council of the United Nations held three international conferences at London, Lake Success and Geneva in 1946-1947, which formulated a draft charter for an International Trade Organization. This charter was then considered, modified, and agreed upon by representatives of fifty-four countries, after four months of continuous negotiation at the United Nations conference on trade and employment at Havana, Cuba, in the winter of 1947-48. The Havana charter, like the United States Constitution, has a procedure for amending it as time, experience, and circumstances indicate.

In view of the fact that the United States sponsored the project of an ITO, over a period of seven years of successful negotiations, it appears unlikely that renegotiation could possibly result in a better document from the standpoint of the United States which would, at the same time, be acceptable to a majority of other nations. It is highly improbable that a proposal to renegotiate would be accepted by other countries. They would lose faith in the consistency and continuity of our economic foreign policy. Such a proposal by the United States would kill the ITO.

Q. What are the alternatives to the ITO charter?

A. If the ITO charter is not adopted, emergency trade practices of many countries are likely to form permanent patterns governing much of the world's commerce. Governments may then exercise more and more control over foreign trade resulting in additional restrictions and discriminations. The danger of trade warfare will be a constant threat. In such circumstances, with trade conducted primarily on a bilateral basis, American business-men might find themselves unable to compete in foreign trade without federal aid and accompanying governmental controls. It is only one step from foreign trade controls to supplementary domestic controls. Our system of free private enterprise could not flourish in such an atmosphere.

Rejection of the ITO by the United States would weaken our leadership in the international economic sphere. It would seriously hinder our program of international economic collaboration and could hardly fail to affect adversely our political influence in world affairs.

William L. Clayton, former Under Secretary of State, speaking of the charter negotiations at the opening of the Havana conference said:— "There are only two roads open to us. One leads to multilateralism, non-discriminatory trade, with a great increase in the production, distribution and consumption of goods in the world, and happier relations between all countries. The other leads to economic nationalism, restrictionism, bilateralism, discriminatory practices, a lowering of the standard of living and bad feeling all around. We must choose now which road we will take."

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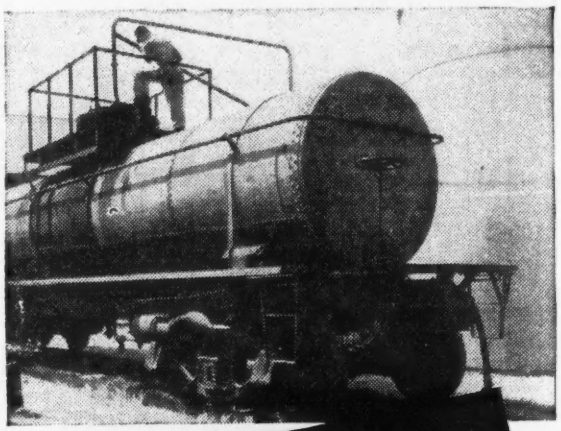

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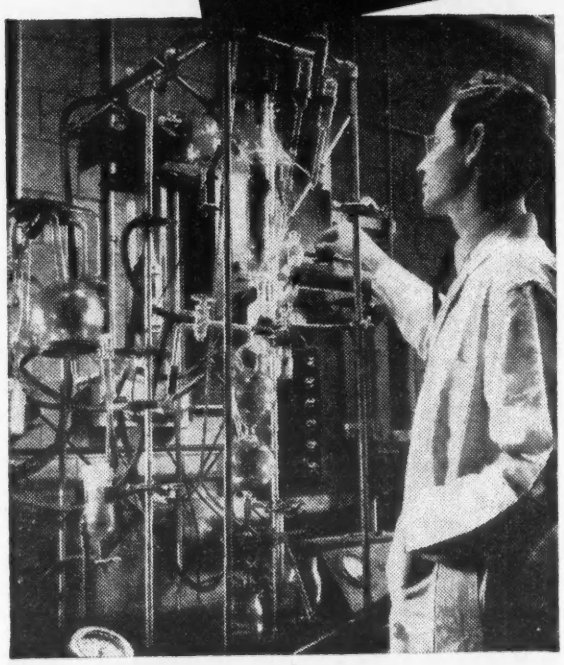

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COCA LEAVES—121 bls, Maywood Chemical Works, Santa Cecilia, Salaverry

RESIDUE—3,886 bls, Chemical Bank & Trust Co, Wells City, Avonmouth

COCONUT OIL—434 tons, Procter & Gamble Co, Dona Aurora, Cebu

CODLIVER OIL—157 dms, Albumina Supply Co, Pierre de Saurel, Lisbon

COPAL GUM—105 bskts, O G Innes Corp, Melampus, Macassar
180 bgs, O G Innes Corp, Melampus, Macassar
65 bgs, S Winterbourne Co, Melampus, Macassar
59 bskts, W H Scheel, Melampus, Macassar
50 bgs, U S Industrial Chemicals, Inc, Aalsdyk, Antwerp
60 bgs, A J Winterberg Co, Dona Aurora, Manila
125 bgs, O G Innes Corp, Dona Aurora, Manila

COTTON LINTERS—100 bls, Anderson Clayton Co, Santa Margarita, Pisco
25 bls, Williamson Northrup Co, Mormacteal, Santos
38 bls, New England Waste Co, Bowmonte, Santos

CREAM OF TARTAR—600 kgs, Mevi Trading Co, Excalibur, Genoa

CRESYLIC ACID—209 dms, Britannic, Liverpool
111 dms, H A Gogarty & Co, Britannic, Liverpool

DAMMAR GUM—140 bgs, Stein, Hall & Co, Queens Victory, Singapore
123 bgs, O G Innes Corp, Melampus, Singapore

DIGITALUS LEAVES—1 pkg, S B Penick & Co, Marques de Comillas, Bilbao

DIVI-DIVI—517 bgs, Curacao Trading Co, Agwiqueen, Puerto Plata

DRAGON'S BLOOD—4 cs, E Miltenberg, Inc, Melampus, Singapore

DYESTUFFS—4 cyls, Sandoz Chemical Works, Excalibur, Genoa
88 cyls, Sandoz Chemical Works, Aalsdyk, Antwerp

ESSENTIAL OIL—12 dms, George Uhe & Co, Excalibur, Marseilles
2 dms, Dodge & Olcott, Inc, Excalibur, Marseilles
9 dms, J Naar, Inc, Excalibur, Marseilles
2 cs, Roure Dupont, Inc, Excalibur, Marseilles
2 cks, Coty Products Corp, America, Havre

FERTILIZER—2,200 bgs, J C Jelt Co, Wells City, Avonmouth
971 bgs, Wessel, Duval & Co, Triton, Puerto Sierra

FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Santa Rosa, Curacao
90,699 bbls, Esso Export Corp, Esso Bolivar, Aruba

GARNET LAC—50 bgs, Wm Zinsser Co, Exchange, Calcutta

GELATIN—10 cs, Coignet Chemical Corp, Maheuge, Antwerp

GLUE—275 bgs, F Henjes, jr, & Co, American Mills, Bremen

GLUESTOCK—34 bls, Darmstadt, Scott & Courtney, Obra "S", Buenos Aires

GRAPHITE—250 bgs, J Dixon Crucible Co, Clyde L Seavey, Colombo
250 bgs, Charles Pettinos Co, Clyde L Seavey, Colombo
750 bgs, Charles Pettinos Co, Exchange, Colombo

GREAVE CAKES—10 tons, Elbert & Co, Olga "S", Buenos Aires
365 bgs, E J Lang Co, Mormacteal, Buenos Aires

GUAIACWOOD OIL—3 dms, J Henry Schroeder Co, Rio Aguapey, Buenos Aires
4 dms, J Henry Schroeder Co, Eidanger, Buenos Aires

GYPSUM, CRUDE—11,267 tons, United States Gypsum Co, Gypsum Queen, Hantsport

HENNA LEAVES—38 bls, S B Penick & Co, C S Thulin, Alexandria

INDULCIN—50 dms, Industrial Raw Material Corp, Tidaholm, Gothenburg

KARAYA GUM—200 bgs, Rueben Import & Export Co, Exchange, Bombay
30 bgs, Tragacanth Import Co, Exchange, Bombay

LAVENDER OIL—20 dms, George Uhe Co, Excalibur, Marseilles

LEMON OIL—2 dms, Agwistar, Vera Cruz

LEMONGRASS OIL—1 dm, W J Bush Co, Cape Cumberland, Cristobal
8 dms, J D Walsh & Co, Triton, Port au Prince
18 dms, Lo Curto & Funk Co, Exchange, Colombo

LIME OIL—2 dms, Coastal Delegate, Vera Cruz

LIQUID AMBAR—1 dm, Trade Bank & Trust Co, Cape Cumbertand, Cristobal

LOCUST BEAN GUM—300 bgs, Stein, Hall & Co, Robert Maersk, Rouen
100 bgs, Innis, Speiden & Co, Robert Maersk, Rouen
100 bgs, Manufacturers Trust Co, Excalibur, Genoa

MAGNESIUM SULPHITE—2 kgs, City Chemical Corp, Wells City, Avonmouth

MANGROVE EXTRACT—1,200 bgs, Saxe Cutch Co, Melampus, Singapore

MEDICINAL HERBS—4 bls, S B Penick & Co, Olga "S", Buenos Aires
28 bgs, DeRon Cooper Co, Excalibur, Genoa
30 bls, National City Bank, Aalsdyk, Antwerp

MENTHOL—50 cs, P A Dunkel & Co, Mormacteal, Santos
65 cs, Charles L Huisking Co, Bowmonte, Santos

MICA—17 cs, Sylvania Electrical Products Corp, Olga "S", Rio de Janeiro
445 bgs, Asheville Schoonmaker Mica Co, Mormacteal, Buenos Aires
40 cs, Western Hemisphere Raw Material Corp, Mormacteal, Rio de Janeiro
58 cs, United Mineral & Chemical Corp, Mormacteal, Rio de Janeiro
10 cs, Sylvania Electrical Products Corp, Bowmonte, Rio de Janeiro
29 cs, James F Garneau Co, Bowmonte, Rio de Janeiro
16 cs, Otto Gerdau Co, Exchange, Madras
70 cs, Asheville Schoonmaker Mica Co, Exchange, Madras
37 cs, United Mineral & Chemical Co, Exchange, Madras
12 cs, Manufacturers Trust Co, Exchange, Madras
117 cs, Cornelius & Suhr Co, Exchange, Madras
338 cs, Cornelius & Suhr Co, Exchange, Calcutta
6 cs, American Mica Works, Exchange, Calcutta
1,030 cs, Asheville Schoonmaker Mica Co, Exchange, Calcutta
150 cs, Eugene Munsell Co, Exchange, Calcutta
120 cs, Schwab Bros, Exchange, Calcutta
207 cs, Otto Gerdau Co, Exchange, Calcutta
322 cs, Eugene Munsell Co, Exchange, Calcutta
4 cs, American Mica Works, Exchange, Calcutta
474 cs, Cornelius & Suhr Co, Exchange, Calcutta
65 cs, Asheville Schoonmaker Mica Co, Exchange, Calcutta

MINT LEAVES—16 bls, Peek & Velsor, Inc, Excalibur, Marseilles

MOLASSES—457 tons, Standard Brands Corp, Santa Rosa, Salaverry

MONTAN WAX—200 bgs, Innis, Speiden & Co, Elizabeth, Antwerp

NAPHTHALENE—300 bgs, American Cyanamid Co, Wells City, Newport

NEEM OIL—5 dms, V Panachand Co, Exchange, Calcutta

NISPERO GUM—8 bgs, L A Dreyfus Co, Cape Cumberland, Cristobal

ORANGE OIL—500 cs, George Uhe Co, Mormacteal, Santos
6 cs, Fritzsche Bros, Inc, Toltec, Kingston

PALM OIL—1,160 tons, Balfour, Guthrie, Tarn, Matadi

PATCHOULI LEAVES—80 bls, Lo Curto & Funk Co, Melampus, Singapore

OIL—4 dms, Norda Essential Oil & Chemical Co, Melampus, Singapore
8 cs, R Quibell & Co, Queens Victory, Penang
4 cs, George Lueders & Co, Queens Victory, Penang

PEPPER, BLACK—850 bgs, Mincing Trading Co, Queens Victory, Cochin
2,440 bgs, Mincing Trading Co, Exchange, Alleppey
160 bgs, R F Downing Co, Exchange, Alleppey
160 bgs, Wolmet Raw Product Co, Exchange, Alleppey
240 bgs, D Hecht Co, Exchange, Alleppey
342 bgs, I R Boody Co, Exchange, Alleppey
960 bgs, Reuben Import & Export Corp, Exchange, Alleppey
480 bgs, Volkart Bros, Exchange, Alleppey
159 bgs, Otto Gerdau Co, Exchange, Alleppey
249 bgs, Polak Trading Co, Exchange, Alleppey

WHITE—215 bgs, Noordam, Rotterdam

PEPPERMINT OIL—5 dms, Roure Dupont, Inc, Bowmonte, Santos
4 cs, Roure Dupont, Inc, Rowmonte, Santos

PETITGRAIN OIL—25 cs, Ungerer & Co, Eidanger, Buenos Aires
13 cs, George Lueders & Co, Eidanger, Buenos Aires
12 dms, Lo Curto & Funk Co, Eidanger, Buenos Aires
6 dms, Eidanger, Buenos Aires

PETROLEUM, CRUDE—11,680 tons, Esso Standard Oil Co, Motocarline, Fahaheel
112,349 bbls, Esso Standard Oil Co, Esso New Orleans, Las Piedras
121,573 bbls, Esso Standard Oil Co, Esso New Haven, Puerto La Cruz
107,931 bbls, Esso Standard Oil Co, Imperial Toronto, Cartagena
15,905 tons, Standard Oil of New Jersey, Caribbean, Fahaheel
118,691 bbls, Esso Standard Oil Co, Clarke's Wharf, Ras Tanura

POPPYSEED—100 bgs, Elizabeth, Antwerp
50 bgs, Catz American Co, Elizabeth, Antwerp
300 bgs, Sorol & Co, Robert Maersk, Rotterdam
400 bgs, C M Van Sillevoldt Co, Robert Maersk, Rotterdam
200 bgs, Louis Furth Co, C S Thulin, Istanbul
100 bgs, Catz American Co, Aalsdyk, Rotterdam

PROCAINE PENICILLIN—4 cs, Charles Pfizer & Co, Elizabeth, Antwerp

QUEBRACHO EXTRACT—1,247 bgs, Imex Corp, Rio Aguapey, Buenos Aires
4,500 bgs, International Products Corp, Eidanger, Buenos Aires

QUICKSILVER—150 flasks, Chase National Bank, Agwistar, Tampico
100 flasks, New York Trust Co, Agwistar, Tampico
500 flasks, J W Hampton, jr, Co, Excalibur, Leghorn

SARSAPARILLA ROOT—20 bls, Agwistar, Tampico

SEEDCAKE—870 bgs, Otto Gerdau Co, Queens Victory, Kohsichang
127 bgs, William Zinsser & Co, Queens Victory, Kohsichang
64 bgs, J Henry Schroeder Co, Queens Victory, Kohsichang
300 bgs, Wm Zinsser Co, Exchange, Calcutta
200 bgs, Ralli Bros, Exchange, Calcutta
250 bgs, The Mac Lac Co, Exchange, Calcutta
150 bgs, Suhr & Budelman Co, Exchange, Calcutta
200 bgs, Schwab Bros, Exchange, Calcutta
200 bgs, Haeuser Shellac Co, Exchange, Calcutta
250 bgs, G H Dockstader, Exchange, Calcutta

SHELLAC—291 bgs, Irving Trust Co, Queens Victory, Kohsichang
350 bgs, Bradshaw Praeger Co, Exchange, Calcutta
50 bgs, Wm Zinsser, Exchange, Calcutta
100 bgs, Wm Zinsser, Exchange, Calcutta
350 bgs, Gillespie-Rogers-Pyatt Co, Exchange, Calcutta

SODIUM SULPHITE—20 kgs, City Chemical Corp, Wells City, Avonmouth

SULPHITE CELLULOSE EXTRACT—2 bgs, Britannic, Liverpool

SULPHONAMIDE RESIN—1 cs, H A Gogarty & Co, Britannic, Liverpool

TALC—2,000 bgs, Charles Mathieu Co, Excalibur, Genoa

TARTAR—743 bgs, Tartaric Raw Material Corp, Excalibur, Marseilles

TEA WASTE—1,031 bgs, Maywood Chemical Works, Exchange, Calcutta

TOBACCO SEED OIL—2 dms, Polytecnic Institute, Exchange, Madras

TUCUM KERNELS—3,077 bgs, E F Drew & Co, Olga "S", Parnahyba
3,076 bgs, Bank of London, Olga "S", Parnahyba

TUNGSTEN ORE—233 bgs, W R Grace & Co, Santa Cecilia, Salaverry

VANILLA BEANS—12 cs, Britannic, Liverpool
7 cs, The Camex Co, Excalibur, Marseilles
14 cs, Thurston & Braidich Co, Excalibur, Marseilles
27 cs, Tradesman National Bank & Trust Co, Excalibur, Marseilles

WATTLE BARK—1,664 bls, Vermilye Corp, African Moon, Durban

EXTRACT—2,020 bgs, Barkey Import Co, African Moon, Durban
6,007 bgs, River Plate Import & Export Co, African Moon, Durban
5,231 bgs, Guaranty Trust Co, African Moon, Durban

WHITING—3,000 bgs, Nicholas H Weitzner Co, Maheuge, Antwerp
600 bgs, H J Baker Bros Co, Wells City, Avonmouth

WOLFRAM ORE—500 bgs, Grace Lines, Inc, Santa Cecilia, Mollendo
300 bgs, W R Grace & Co, Dona Aurora, Hongkong

XYLOCAINE—1 cs, Astra Pharm Products Co, Tidaholm, Gothenburg

Baltimore

CHROME ORE—8,000 tons, Carnegie Illinois Steel Corp, Clyde L Seavey, Vizagapatam

WATTLE EXTRACT—1,520 bgs, River Plate Import & Export Corp, African Moon, Durban

Boston

MICA—500 bgs, F D Pitts Co, African Moon, Lourenco Marques

WATTLE EXTRACT—2,010 bgs, Bank of New York & Fifth Ave, African Moon, Durban
251 bgs, River Plate Import & Export Corp, African Moon, Durban

Norfolk

WATTLE BARK—2,177 bls, Hammond & Carpenter, Inc, African Moon, Durban

EXTRACT—2,067 bgs, River Plate Import & Export Corp, African Moon, Durban

Philadelphia

January 25 to February 1

ALUMINUM SCRAP—177 bgs, American Shipper, London

CHEMICALS—2 cs, W J Jones & Co, American Shipper, London

CHROME ORE—2,500 tons, E J Lavino & Co, Mormacgulf, Masinloc
5,000 tons, E J Lavino & Co, Reinholt, Santa Cruz

DRIED BLOOD—2,528 bgs, Elbert & Co, Rio Araza, Buenos Aires

GAS PURIFYING MATERIAL—1,516,000 kilos, Alpha Lux Co, Angelina, Rotterdam

KYANITE ORE—50 tons, Smith Hickman Co, Malancha, Calcutta

LEAD—167 dms, National City Bank, Reinholt, Manila
199 ingots, Bers & Co, Arkeldyk, Rotterdam

LIVERMEAL—599 bgs, Balfour Guthrie, Dryden, Buenos Aires

MANGANESE ORE—3,000 tons, E J Lavino & Co, African Glade, Takoradi

MERCURY SOLUTION—3 dms, T M Duche & Sons Co, Mormacsaga, Gothenburg

PEAT MOSS—450 bgs, Kerr Maurer Co, American Shipper, Bremen

PETROLEUM, CRUDE—91,887 bbls, Socony Vacuum Oil Co, Mosli, Covenas
110,055 bbls, Gulf Oil Corp, Gulfhawk, Puerto La Cruz
117,239 bbls, Gulf Oil Corp, Gulfglow, Puerto La Cruz
124,452 bbls, Atlantic Ref Co, Port Mims, Pamatacual

QUINIDINE SULPHATE—2 cs, American Shipper, London

WASHING BLUE—630 cs, R T French Co, American Shipper, Hull

WHITING—300 bgs, Nicholas H Weitzner Co, Bloomersdyk, Antwerp

ZINC DROSS—3,954 kilos, Ferro Metal & Chemical Co, Mormacsaga, Stockholm
7,970 kilos, Ferro Metal & Chemical Co, Mormacsaga, Gothenburg

San Francisco

January 24 to January 31

AGGRESSIN CULTURAL—1 cs, Cutter Laboratories, Loch Garth, London

BABASSU KERNELS—5,000 bgs, P & T Pathfinder, Parnahyba
16,665 bgs, Pacific Vegetable Oil Co, P & T Pathfinder, Parnahyba
11,666 bgs, Cargill & Co, P & T Pathfinder, Maranhao
8,333 bgs, S L Jones & Co, P & T Pathfinder, Maranhao

BONE MEAL—3,475 bgs, M Grossman Co, Lake Chilco, Taku Bar

BOOT POLISH—400 cans, The Benton Co, Loch Garth, London

CALCIUM NITRATE—32,000 bgs, Wilson & George Meyer & Co, Lauritz Swenson, Oslo

CASSIA—200 bls, W H Newhall & Co, Flying Dragon, Hongkong
84 bls, [illegible]40 Rotterdam, Laura Maersk, Hongkong

COPAL GUM—3 bgs, H W Peabody & Co, American Transport, Manila

COPRA CAKE—200 bgs, Atkins, Kroll Co, Silveroak, Manila

COTTON LINTERS—215 bls, W R Grace & Co, Pacific Liberty, Callao

CURRY POWDER—25 cs, Theodore H Davies & Co, Carmela, Liverpool

FISH LIVERS—181 tubs, California Packing Co, Laura Maersk, Keelung

GALL NUTS—336 bgs, Mallinekrodt Chemical Works, Laura Maersk, Hongkong

NUTMEGS—14 bgs, Lake Chilco, Singapore

PEANUT OIL CAKE—2,436 bgs, A L Zimmerman & Co, Lake Chilco, Taku Bar

PEPPER, BLACK—240 bgs, Mincing Trading Co, Lake Chilco, Cochin

PYROTECHNICS—1,745 cs, Frank P Dow Co, Laura Maersk, Hongkong
14 cs, David Wu & Co, Laura Maersk, Hongkong

SADDLE SOAP—300 ctns, The Benton Co, Loch Garth, London

SAGO FLOUR—55 bgs, H M Newhall & Co, Silveroak, Singapore

SESAME SEED—55 bgs, S L Jones Co, Laura Maersk, Hongkong
150 bgs, Cunningham & Co, Flying Dragon, Hongkong

SHARK LIVERS—55 tins, California Packing Co, Don Aurelio, Barranquilla
10 cks, R Sierra Co, Pacific Liberty, Puna
15 dms, E F Grefoire Co, Pacific Liberty, Puna
2 bxs, E F Grefoire Co, Pacific Liberty, Puna
7 bgs, E F Grefoire Co, Pacific Liberty, Puna

TUNG OIL—255 tons, S L Jones Co, Laura Maersk, Hongkong
4 dms, A G Dudley Co, General M C Meigs, Shanghai
232 tons, Vongher Low China Co, Lake Chilco, Shanghai
100 tons, Irving Trust Co, Lake Chilco, Shanghai
34 dms, Balfour, Guthrie Co, Lake Chilco, Shanghai

NUTS—8,961 bgs, Pacific Vegetable Oil Co, P & T Pathfinder, Buenos Aires

France Issues Import List

The government of France has issued a new list of products for which import licenses may be obtained under its "import-without-exchange" system. Included on the new list are the following items:—

Vegetable raw materials for tanning; gums and gum resins; raw or treated; animal or vegetable waxes; asbestos; mica; nonferrous metal ores; vegetable tanning extracts; vulcanization accelerators; nickel, caste, matte and speiss; unworked zinc; unworked lead or its alloys; tungsten or its alloys; molybdenum or its alloys, and machinery and apparatus for chemical industries.

Research Information Service Issues Russian Technical Data

Research Information Service, New York, has published seventy-nine translations of articles from current Russian magazines since the beginning of 1949, and is planning the expansion of this service in the near future. The translations now available, dealing with the manufacture and analysis of various chemicals and the production of petroleum, are listed in the company's bulletin 27 "Russian Technical Publications Dealing with Petroleum," and bulletin 29 "Russian Chemistry."

Squibb Promotes Oliver

E. R. Squibb & Sons, New York, has appointed Peter M. Oliver manager of its Atlanta sales division. Mr. Oliver joined the Squibb organization in 1942.

Advanced by McNeil Labs.

Underwood & Underwood

Harry H. Shull has been appointed director of the control division of McNeil Laboratories, Philadelphia, to succeed Dr. Charles E. Vanderkleed. Mr. Shull has been associated with the laboratories for twenty-six years. Robert A. O'Dell and William R. Jones have been named assistant directors of the division.

Paul-Lewis Assigns Robb

Paul-Lewis Laboratories, Inc., Milwaukee, Wis., has added Leslie A. Robb to its research and development staff. Mr. Robb was formerly associated with the biochemical research department of the Rohm & Haas Company, and was previously with the research department of the Corn Products Refining Company.

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Obituaries

Dr. Samuel Isermann

Dr. Samuel Isermann, president of Van Dyk & Co., Belleville, N. J., died February 1 in San Antonio, Tex., while en route to his winter home in Tucson, Ariz. He was a pioneer in the manufacture in the United States of organic chemicals, particularly raw materials for dyes and perfumes.

Among other companies which he developed and in the management of which he was actively associated are Patent Chemicals, Inc., manufacturer of gasoline dyes, Paterson, N. J.; Synthetic Chemicals, Inc., producer of wetting and detergent agents, also Paterson, and Summit Chemical Products Corporation, manufacturer of ammonium thioglycollate, Belleville.

Lord Melchett

Henry L. Mond, the second Baron Melchett, former deputy chairman of Imperial Chemical Industries, Ltd., London, died recently in Miami Beach, Fla. He was fifty years old.

Mr. Mond had been deputy chairman of the British chemical company from 1940 to 1947. In addition, he was a director of the International Nickel Company of Canada, Ltd., the Mond Nickel Company, Amalgamated Anthracite Collieries, and other organizations.

Miss Florence G. Delaney, treasurer and a director of the Elizabeth Arden Sales Corporation, New York, died January 29 at her home in New Rochelle, N. Y.

Charles H. Eames, former president of the Lowell Textile Institute, Lowell, Mass., died January 29 at his home in Billerica, Mass. He was seventy-four years old. Mr. Eames had been president of the institute from 1918 until 1945.

Dr. Robert T. Kuoch, vice-president of Nukem Products Corporation and a research chemist for the Buffalo Electrochemical Corporation, Buffalo, N. Y., died February 1 at his home in Tonawanda, N. Y. He was sixty-six years old.

John Powers, retired employee of the Wailes-Dove-Hermiston Corporation, died February 1 at his home in Cranford, N. J. He was seventy-seven years old.

Miss Eva Ress, an executive of the Vita-Var Corporation, paint manufacturer, Newark, N. J., died January 31 at her home in New York.

Edward Strene, chemical research expert who was vice-president and general manager of G. F. Strene & Sons, Ltd., Brantford, Ontario, Canada, died on February 2. He was sixty years old.

James B. Thorpe, executive vice-president and a director of the Climax Molybdenum Company, New York, died January 29 in New Rochelle hospital, New Rochelle, N. Y. He was sixty-seven years old. Mr. Thorpe had joined the Climax organization in 1928.

Cleary Assigns Berglund

The W. A. Cleary Corporation, lecithin manufacturer, New Brunswick, N. J., has appointed Robert J. Berglund sales representative. Mr. Berglund was formerly engaged in sales promotion for the American Lecithin Company, Atlanta, Ga., and was previously associated with Durkee Famous Foods.

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Sheldon Loses License Privileges for 6 Mos.

All export license privileges of the Sheldon Merchandising Corporation, New York, have been suspended for six months for violating export control regulations in regard to streptomycin, the office of International Trade of the Department of Commerce announced on February 3.

The company and three men associated with it, to whom the suspension order also applies, were found guilty of making or attempting to make certain shipments of streptomycin to China without obtaining export licenses. Streptomycin was removed from the positive list on December 4, 1948, but at the time of the violation no exporter was permitted to make shipments exceeding $100 in value in any one week without export licenses.

The three men are Sheldon Sweid, vice-president and principal stockholder; Philip Gutride, president, and Benjamin D. Levenstein, Sheldon's secretary and attorney.

Reheis Adds Garizio To Sales, Service Staff

The Reheis Company, fine chemicals manufacturer, Berkeley Heights, N. J., has appointed John E. Garizio to its technical service and sales division. Mr. Graizio was formerly in charge of applied research of Sheffield Farms, Inc. He had previously been assistant to the president of Marvin R. Thompson Associates, Stamford, Conn., and assistant to the director of the Warner Institute of Therapeutic Research.

Abbott Honors Employees

Abbott Laboratories, pharmaceuticals, North Chicago, Ill., awarded special certificates of merit to five members of its research, development and control staffs at a dinner held January 27. The recipients were:—Elmer F. Shelberg, head of the microanalytical department; Fred J. Helgren, pharmaceutical research department; Dr. Arthur W. Weston, group leader in the organic chemistry research department; James E. Rundell, assistant manager of the development laboratory, and Fred J. Kirchmeyer, head of the pharmaceutical development research department.

Alcohol Synthesis Process

—Continued from page 5

with an excess of boiling water with the separation of mixed cresols of high purity which may be further fractionated.

The separation is speeded up by extraction of the cresol with toluol. The end product is mostly paracresol, with some metacresol, and a little orthocresol. The boron catalyst is then reclaimed and used over again. The economy of the operation which permits low cost production lies principally in the catalyst recovery which is accomplished with a loss of only some 4 percent.

If xylol is used instead of toluol as the starting point, xylenols are produced, and if naphthalene is used, alpha and beta-naphthol are produced. In the manufacture of the higher aliphatic alcohols, which was viewed by Mr. Globus as of more potential interest, the same process is employed using petroleum naphtha fractions as the starting material, the choice of which depends upon the end product desired.

The plant being built is designed to have a capacity of 8,000 to 12,000 pounds of cresol per day, it was stated.

Truman Health Plan Discussion Scheduled

The sales and advertising group of the eastern section of the American Pharmaceutical Manufacturers Association will discuss President Truman's health program at its luncheon session at the Commodore hotel, New York, on Wednesday. The session will be part of the eastern section's three day meeting.

Principal speaker at the luncheon will be John W. McPherrin, editor-in-chief of *American Druggist*, who has chosen as his topic "What the Druggist Thinks of the Truman Health Program."

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Bids Wanted

Albumin, for use in RH tests, Army Medical Center (Washington 12) circular 24, February 11.

Alcohol, ethyl, 10,600 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4830, February 17; **isopropyl,** 12,300 gallons, invitation 4819, February 16.

Aluminium oxide, grit, 40,800 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4856, February 11.

Butyl acetate, 2,600 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4843, February 17.

Cadmium oxide, 1,500 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4834, February 18.

Carbon remover, 28,840 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4835, February 18.

Carbon tetrachloride, 5,000 gallons, Army Engineers Corps (Chicago 6) invitation 640, February 10.

Carburetor test fluid, 46,650 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4825, February 10.

Cleaning compound, non-foaming, 13,900 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4866, February 14; powder, 39,000 pounds, invitation 4817, February 16.

Corrosion preventive film, 2,000 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4939, February 17.

Defrosting fluid, 9,300 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4881, February 11.

Dinitromethylaniline, 2,500 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 177, February 11.

Dipentene, 10,000 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4922, February 9.

Ethyl acetate, 11,730 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4869, February 18.

Ethylene glycol, non-corrosive, 3,800 gallons, and anti-freeze and cooling for aircraft engines, 16,550 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4864, February 11.

Ink, mimeograph, 4,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 862, February 15; recording, powdered, Army Signal Corps (Philadelphia 45) invitation 1653, February 24.

Lacquer, pyroxylin, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 396, March 11; paint, 4,250 gallons, Army Signal Corps (Philadelphia 45) invitation 2188, February 23.

Paint, enamel, 600 gallons, Army Engineers Corps (San Francisco 19) invitation 127, February 15; 500 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4888, February 11; 1,600 gallons, invitation 4893, February 15; 3,000 gallons, Bureau of Federal Supply (New York City) invitation NY-DD-15402, February 8; 862 gallons, NY-W-15397, February 9; **various,** 668 gallons, U. S. Air Force (McClellan Field, California) invitation 116, February 9; 150 gallons, Army Engineers Corps (Huntington, W. Va.) invitation 90, February 8; 250 gallons, Army Engineers Corps (Mobile, Ala.) invitation 113, February 8; 7,125 gallons, Army Engineers Corps (San Francisco 19) invitation 127, February 15; 500 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4893, February 15; 5,875 gallons, invitation 4910, February 15; 885 gallons, Bureau of Federal Supply (New York City) NY-W-15397, February 9.

Pepper, black, ground, 80,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 889, February 24.

Polish, 1,425 2¼-pound tubes, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4839, February 18; metal, 55,000 pints, Quartermaster Purchasing Office (New York 3) invitation 917, February 11; metal, approx. 1,736 gallons, and 360 pounds.; automobile, 239 gallons; and furniture, 2,088 gallons, Bureau of Federal Supply (Washington 25) invitation 3-W-72207-R, February 9.

Rinsing solution, instruments, 1,100 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4838, February 18.

Rock salt, 80,000 pounds, Veterans Administration Hospital (Murfreesboro, Tenn.) invitation 49-243, February 10.

Rubber solvent, 10,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 389, February 21; 27,500 gallons, invitation 392, February 21; 35,000 gallons, invitation 393, February 21; 12,500 gallons, invitation 390, February 21.

Silver cyanide, powder, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4919, February 16.

Slushing compound, fuel tank, 50,000 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1053, February 11.

Soap, powder, 18,000 pounds, Post Office Department (Washington 25) invitation 2276, February 9.

Sodium bichromate, 64,000 pounds, Navy Purchasing Office (New York 3) invitation 4134, February 11.

Sodium carbonate, granular, 50,000 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 175, February 10.

Sodium cyanide, 49,000 pounds, Navy Purchasing Office (New York 3) invitation 4134, February 11.

Sodium monofluoracetate, rodenticide, Quartermaster Purchasing Office (New York 3) invitation 914, February 16.

Sodium peroxide, 2,320 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4919, February 1.

Sodium phosphate, dibasic, 26,000 pounds, and monobasic, 34,000 pounds, Navy Purchasing Office (New York 3) invitation 4134, February 11.

Sodium thiosulphite, 21,000 pounds, Navy Purchasing Office (New York 3) invitation 4134, February 11.

Tablets, papaverine hydrochloride, 1,152 bottles of 100 each, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 49-934, February 14; water purification, 280,600 bottles of twelve each, Quartermaster Purchasing Office (Chicago 9) invitation 761, February 18.

Tetrasodium pyrophosphate, 18,000 pounds, Navy Purchasing Office (New York 3) invitation 4134, February 11.

Thinner, lacquer, 200 gallons, Army Engineers Corps (San Francisco 19) invitation 127, February 15.

Titanium dioxide, rutile, chalk retardant, silicon aluminum zinc treated, 100,000 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 5022, February 10.

Trichlorethylene, stabilized, 223,000 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4862, February 14.

Triethanolamine, 2,950 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4863, February 14.

Varnish, shellac, 500 gallons; spar, water resistant, 5,000 gallons, Army Engineers Corps (Chicago 6) invitation 652, February 11; orange shellac, 400 gallons, Army Engineers Corps (San Francisco 19) invitation 127, February 15.

Vegetable oil, salad, 145,650 gallons, Quartermaster Purchasing Office (Chicago 9) invitation 861, February 14; 100,002 gallons, invitation 860, February 14.

Wax, floor, 4,280 pounds, and 420 gallons, water emulsion, 330 gallons, Bureau of Federal Supply (New York City) invitation NY-W-15375, February 8.

Xylene, 15,800 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4891, February 15.

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Chemical Output Workers Reported Lower in Nov.

Estimated number of production workers in the chemicals and related products industries in November, 1948, as compared with the number in October, and with those in November, 1947, was reported last week by bureau of labor statistics of the Department of Labor as follows:—

	1948 Nov.	1948 Oct.	1947 Nov.
Ammunition, small arms	7,400	7.400	7.200
Chemicals, not elsewhere classified	209,600	210.000	205.500
Compressed and liquefied gases	9.500	9.900	9.700
Cottonseed oil	26.500	26,600	24.500
Drugs, medicines and insecticides	64.800	64.400	66.400
Explosives and safety fuses	27.400	27.700	24.800
Fertilizers	28.700	28.800	29.200
Fireworks	26.600	26.600	29.000
Paints, varnishes and colors	48.100	48.700	48.000
Perfumes, cosmetics	12.900	12.800	13.900
Rayon, allied products	63.900	63.900	63.100
Soap	26.500	27.200	25.800
Total	597,000	600.000	589.000

Department of Labor indexes for production-worker payrolls for chemicals and related products industries during the same periods (1939 average=100) follow:—

	1948 Nov.	1948 Oct.	1947 Nov.
Ammunition, small arms	403.7	409.4	398.0
Chemicals, not elsewhere classified	634.0	628.6	566.0
Compressed and liquefied gases	491.0	488.5	458.0
Cottonseed oil	537.6	541.9	448.7
Drugs, medicines and insecticides	512.4	506.9	489.9
Explosives and safety fuses	749.1	763.8	645.6
Fertilizers	415.3	430.8	397.2
Fireworks	544.2	552.7	711.6
Paints, varnishes and colors	329.9	338.4	313.1
Perfumes, cosmetics	261.9	252.2	265.3
Rayon, allied products	300.1	296.7	260.5
Soap	405.3	412.2	371.0

Gair Buys Dowd Carton

The Robert Gair Company, folding cartons and shipping containers, New York, has purchased the business and properties of M. S. Dowd Carton Company, Groton, Conn. The Dowd business will be operated in conjunction with the folding carton department at Gair's Montville, Conn., mill at which the necessary paperboard will be produced. Lloyd E. Gallup, former president of Dowd, will join Gair's folding carton sales staff in New England.

The Gair firm has also announced the appointment of Thomas E. Cathcart, jr., as New England sales manager for folding cartons and the naming of Alan G. Lynn to the products development department, where he will conduct packaging surveys and act as assistant to the director, J. D. Malcolmson.

Chemical Formulary Seeks Formulas

H. Bennett, editor-in-chief of the *Chemical Formulary*, is currently accepting formulas and recipes for publication in volume IX of the book. Contributors will be listed on the board of editors and will receive a free copy. Communications should be addressed to Mr. Bennett at 26 Court street, Brooklyn 2, N. Y.

Military Establishment Expands Research Board

Dr. Lawrence W. Bass, vice-president of U. S. Industrial Chemicals, Inc., and Dr. Norman A. Shepard, of the American Cyanamid Company, have been appointed to the committee on equipment and materials of the Research and Development Board, National Military Establishment.

Two representatives each from the Army, Navy and Air Forces make up the remainder of the committee, which is headed by E. P. Brooks, vice-president in charge of factories of Sears, Roebuck & Co. The work of the group will be to coordinate and evaluate research development programs of the three services concerned with equipment and materials.

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N. Y. Textile Chemists Discuss Aging Process

Dr. A. K. Saville, E. I. du Pont de Nemours & Co., discussed new developments in the short aging process for the printing of synthetic fibers, silk and wool at a recent meeting of the New York section of the American Association of Textile Chemists and Colorists. A second speaker, Henry Miller, of the Federal Trade Commission, spoke on trade practice rules and test procedures for textiles.

Dr. Saville pointed out the time advantage resulting from a reduction in fixation time when the short aging process is used. The process involves the use of a dye paste in which the use of solvent type dying assistants are used to swell the fibers, such as diethyleneglycol, glycerine, thiodiethyleneglycol, or similar solvent. A fixation agent such as urea or thiourea is used, and such thickeners as textile gum, British gum, or carboxymethylcellulose are employed, Dr. Saville stated. The use of such a dye paste enables the dye to be fixed in five to ten minutes with clear uniform prints which according to colored slides shown indicated superior performance.

Mr. Miller detailed the progress that had been made in the textile industry through the mutual cooperation of the textile industry leaders and the Federal Trade Commission in a series of industry conferences over recent years, and the drawing up of trade practice rules. The importance of uniform nomenclature and methods of test were stressed.

Calcium Driers Described

Chase Driers & Chemicals, in a recent technical report on the properties and uses of calcium driers, points out that benefits to be obtained with calcium soaps of one fatty acid may not be reproduced with calcium soaps of another fatty acid. It advises therefore that naphthenates and Dryalls both be tried in development formulations; as these two represent calcium soaps of different fatty acid origin and properties. Specifications, uses, and formula recommendations are included in the report. Copies may be obtained from Chase Driers & Chemicals, Inc., 3527 Smallman street, Pittsburgh 1, Pa.

Paisley Promotes Liberman

Herman Liberman has been appointed field engineer by Paisley Products, Inc., manufacturer of industrial adhesives, New York and Chicago, and will specialize in the firm's line of non-warp and flexible animal glues. Mr. Liberman has been a Chicago sales representative of the firm for many years. He will continue in that city and will supervise field tests and servicing procedure of the newly expanded sales staff.

N. E. Paint Club to Meet

The New England Paint, Varnish and Lacquer Association will celebrate its sixty-fifth anniversary and past presidents' night at a dinner to be held February 10 at the Statler hotel, Boston. James H. Powers, foreign editor of the *Boston Globe* will speak on "The Asiatic Question Mark."

Glidden Plans New Warehouse

The Glidden Company, Cleveland, Ohio, is planning to open a new warehouse for its paint and varnish division in Norfolk, Va., this month. The new facility will serve the Tidewater section of Virginia and the eastern section of North Carolina.

Hercules Transfers Two

The Hercules Powder Company, Wilmington, Del., has transferred assistant superintendents at its naval stores plants in Brunswick, Ga., and Hattiesburg, Miss. Frank W. Volk, formerly assistant plant superintendent at Brunswick, has assumed a similar post at Hattiesburg, and Harry W. Watson, formerly of Hattiesburg, has become assistant plant superintendent at Brunswick.

Eagle Printing Ink Marks Try's 38th Anniversary

The Eagle Printing Ink Company, a division of the Sun Chemical Corporation, New York, recently honored Andrew J. Try, Chicago branch manager of the division, at a dinner commemorating his thirty-eighth anniversary with the organization. Mr. Try has retired from active duty, but will continue to contact some of his former accounts.

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Botanical Drugs, Spices, Gums

The market for medicinal and condimental botanicals was a rather salty affair last week. A rising market on fir balsams, African ginger root, and Peru balsam, was paced by a sharp increase in quotations on cardamoms, cloves, and black pepper, but checked slightly by declines in quotations on corn silk, henbane leaves, and tolu balsam in the medicinal drug group, and weakness and price declines in star anise, French celery seed, mace, East India nutmegs, Sicilian oregano, Polish poppy and Turkish sesame seeds, and Dalmatian sage in the flavoring section. The net result was a fall of 0.4 point in the market index, setting it down to 199.2 in comparison with 239.6 when it fell a year ago. When the week ended, not a great amount of business had been done but the price developments showed that the merchandise affected was sensitive to even small buying out of spot stocks and also to what happens from day to day in the primary markets for replacements.

In the market for medicinal drugs attention turned from the not very active spot market to what was being done at the origins—particularly in the domestic primary sources of supply. Collectors have begun to post prices they are willing to pay gatherers and diggers in the new collection season about to open.

These early season prices in one such list reveal advances over last Fall quotations on thirteen botanicals and but four declines. The balance of the list remained unchanged from late 1948 prices. Of the entire list, twenty-one botanicals were listed as being especially desired by the collector but in this group, only two botanicals were repriced higher; on the balance, late 1948 prices were still offered.

A year ago, early season prices were kept low and were not raised until real shortage stalked the prospective supply. This year, some are opening moderately higher and many may well average higher earlier in the season in order to avoid the midseason impasse developed in the collection of the 1948 crop.

Balsams

Fir—Prices were higher; moderately so on Oregon balsam which ended the week at $2.35 to $2.45 per gallon, and sharply so on Canadian balsam which reached $34.50 to $35 per gallon. The replacement position of both balsams was stronger.

Peru—The market was slightly higher at 95c. to $1 per pound, basing the same on actual transactions last week and regardless of the recent moderate addition to spot supplies.

Tolu—Ample supplies of the article contributed to a lowering of quotations to the basis of $2.75 to $3.50 per pound, depending on quantity and seller as to the range.

Barks

Black Haw—In seeking some increase in deliveries into collection depots, some primary market operators have posted new season prices at levels slightly higher on natural bark of tree and sharply higher ones for rossed natural bark. No life has yet been made in the price to be paid for root bark.

Elm—An increase in collections of slippery elm bark is the object of some in the domestic primary market but no change has been made in prices offered gatherers.

Sassafras—The not ample collection last year plus the indications of a very fair Spring consumption of this bark has turned the attention of collectors to increasing the gatherings this year if possible. Moderately higher prices have been offered diggers of both rossed and natural root and tree bark.

Shonny Haw—Prices offered gatherers of this article have been raised considerably from those posted in the last previous list of prices offered the workers. The carryover of some dealers was said to be on the conservative side.

Beans

Vanilla—According to the last advices received from the origin, Bourbon beans in the amount of 653 tons have been destroyed intentionally at the source in an effort to place the world market on a basis from the French point of view. What remains is believed to be a stock sufficient for American requirements for some time ahead. Local dealers still think that much better days lie ahead for the trade in this country and some of them even envisage the development of prices more productive of profit to the domestic importers. Much will depend on demand and some signs of improvement have been noted of late.

Berries

Juniper—Trading in general was small in volume and lagged throughout the past week except where "bargin" berries in somewhat distressed position were offered to some consumers who of late have shown signs of taking up such merchandise. Botanical dealers had none of this business and they reported poor trade.

Flowers

Chamomile—Movement into consumption was in fair volume and the trading had a tonic effect on the maintenance of prices for both Hungarian and Roman flowers. Supplies were ample.

Saffron—A moderate gain in jobbing sales of Spanish flowers was noted in one quarter where a disposition to tryout somewhat higher prices was not lacking. However, other directions were competitive enough in their market approach to hold prices down to the basis of $22.50 to $23 per pound.

Gums

Arabic—Most factors reported a very dull market. Very little buying or selling took place during the past week but so far as prices were concerned they were unaffected and the market retained the status quo ante. Holland continued to be something of a thorn in the flesh of dealers whose operations are direct with the primary market, this because of exchange manipulations.

Karaya—The late rise in quotations was said to be well maintained but more because of the replacement position of this gum rather than because of the current interest shown by buyers. Trading was limited to moderate quantities and

Market Trends

Prices Advanced

Drugs

Fir balsam, Canadian, $3.50 per gal.
Oregon, 10c. per gal.
Ginger root, African, 3½c. per lb.
Peru balsam, 10c. per lb.

Other Articles

Cardamom, bleached, bold, 30c. per lb.
medium, 20c. per lb.
decorticated, Guatemalan, 2c. per lb.
green, Alleppey, 4c. per lb.
Clove, Madagascar, spot, 1c. per lb.
futures, 2¾c. per lb.
Zanzibar, spot, 1½c. per lb.
Cumin seed, Persian, 1¼c. per lb.
Mustard seed, English, yellow, ½c. per lb.
Pepper, black, spot, 3c. per lb.
futures, nearby, 5c. per lb.
March shipment, 5c. per lb.
white, 2c. per lb.
Poppy seed, Turkish, ¼c. per lb.

Prices Reduced

Drugs

Corn silk, 2c. per lb.
Henbane leaves, 5c. per lb.
Tolu balsam, 15c. per lb.

Other Articles

Anise, Chinese star, ½c. per lb.
Cassia, China, rolls, ½c. per lb.
Honan, rolls, 2c. per lb.
Celery seed, French, ½c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Mace, Amboyna, 2c. per lb.
Siauw, No. 1, 5c. per lb.
Nutmegs, East Indian, 1c. per lb.
Oregano, Sicilian, 1c. per lb.
Poppy seed, Polish, ½c. per lb.
Sage, Dalmatian, ½c. per lb.
Sesame seed, Turkish, 1½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
199.2	199.6	200.0	239.6

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended January 28

New York

Capsicums, 250 bags: filthy.
Cassia oil, 40 drums: not USP.
Chillies, 345 bags: filthy.
Elderberries, 20 cases: filthy.
Nutmegs, 507 bags: filthy.
Olive Oil, 50 cases: short volume.
Pepper, black, 93 bags: filthy.
Red, 73 bags: filthy.
Poppy seed, 264 bags: filthy.
Rhubarb root, 14 cases: filthy.
Turmeric, 120 bags: filthy.

For Late Market Developments, See Page 4

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orders were few according to most dealers.

Herbs and Leaves

Henbane—The more competitive market brought sales on the lower basis of 40c. per pound. The local price range was to 75c. as to seller.

Passion Flower—Efforts looking to some increase in collections are being made in the primary market at this time.

Prince's Pine—Some primary market operators are carrying over so little of this herb that special requests for increased collection have been made to the gatherers.

Miscellaneous

Corn Silk—More competition than usual developed in the market for this material and sales were reported made on the lower price basis of 15c. per pound. As to seller, the market ranged to 18c.

Papain—Improvement in the market undertone comes very slowly and during the past week competition was active enough to hold prices down to the basis of $3.60 to $4.50 per pound, depending on seller and quality.

Roots

Black Cohosh—The collection of subnormal size last season requires some gain in collections in that about to start. Some collectors have raised prices moderately to diggers.

Gelsemium—Early season prices to diggers in some quarters show a moderate rise and more activity is asked of the workers.

Hydrangea—Opening prices for the collection season show a slight increase to the diggers.

Serpentaria—The new season opens with prices showing a slight decrease so far as diggers are concerned.

Stillingia—In the effort to increase collection to some extent, prices to the diggers have been set at slightly higher levels.

Seeds

Anise—Quotations on star anise were down fractionally to 14c. to 14½c. per pound. Other varieties were unchanged.

Caraway—Dutch seed was a fraction lower at 20c. to 20½c. per pound.

Cardamom—Prices burst through the high price roof ruling for many weeks. Bold bleached seed rose to $3.25 to $3.30 per pound, medium bold, $2.50 to $2.55; coorges, $1.75 to $1.80; decorticated, Guatemalan, $1.94 to $1.96; green Alleppey, $1.80 to $1.85.

Celery—French seed was shaded to 24c. to 24½c. per pound. Indian held at 20c. to 20½c.

Poppy—Polish seed were a fraction lower at 18c. to 19c. per pound. Also, Turkish seed was a fraction higher at 13½c. to 14c.

Spices

Clove—Cables from Madagascar came in sharply higher, being 17¾c. per pound. Spot quotations went at least to 15c. to 16c. and were strong enough to suggest

—*Continued on page 77*

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Essential Oils, Other Aromatics

Price changes in the essential oil market last week included a higher position for clove and Ceylon citronella but lower ones on grapefruit, 30-32 percent lavender flower, and savin oil. The result was a fall of 0.2 point in the index to reach 102.9 in comparison with 152.7 a year ago when it rose 0.8 point.

Citrous oils were the subject of considerable consideration. Lemon oil proved to be an item of real strength because of the higher wages, transportation, and packing costs that had forced an advance in California oil prices at a time when raw material had become increasingly abundant as the result of the freeze. Though the above higher costs presumeably applied equally to California orange oil, that article was found to be subject to increasing competition not only from independent Californian production but more importantly from increasing output in Florida. Some very low prices had been noted on Floridian oil lately but a prominent operator in that item declared last week that the distressed lots were disappearing and long dormant demand had revived—which, it was expected, would strengthen the market soon.

Floral oils were not very active. Most of them were in good supply under conditions still more favorable to buyers than sellers. For example, the replacement cost on oils produced in French West Africa should fall as the result of the export duty becoming 12 percent instead of the previous 25 percent ad valorem. The lower price on one grade of lavender flower oil was competitive and not basic as to cause.

Spice oils varied in change of trend and tendency. Madagascar clove spice on spot rose to recent replacement cost, advancing the price of oil even as spice advanced again. On the other hand, marked weakness could be found in raw material costs on nutmeg oil but here, too, the change in cost was not more than potential in effect. Black pepper oil was unsettled by raw material declines. Of the spice group, pimento was possibly the oil of greatest stability.

Market Trends

Prices Advanced

Citronella oil, Ceylon, 7c. per lb.
Clove oil, 10c. per lb.

Prices Reduced

Grapefruit oil, 25c. per lb.
Lavender flower oil, 30-32%, 30c. per lb.
Savin oil, $1 per lb.
Spearmint oil, 30c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
102.9	103.1	102.6	152.7

(For Current Prices see Page 9)

Essential Oils

Abies Siberica—Though routine in character, demand was very fair in volume and, in fact, contributed added firmness to prices that for some time past had been notable for that quality. Supplies were moderate in size but they had fair local distribution.

Anise—What between the events in the Chinese civil war and the celebration of the Chinese New Year last week, cables from the primary market were few and far between as well as not very informative when they did reach here. The local market was reported quiet in undertone, steady in price, and awaiting further developments at the origin where the future of supply was uncertain.

Bergamot—Prices were steadier to firmer. The tendency to shade quotations was materially less than it had been and a firmer maintenance of values was assisted by the very fair sized if usually jobbing demand that prevailed throughout the past week. Cables showed little change in the primary market position and price.

Birch Tar—The requirements of manufacturing consumers were limited to small lots. So was the available supply; no general distribution of goods existed locally nor was any in sight. Some former suppliers were said no longer to stock the material.

Bois de Rose—Sellers indicated that the primary market position of this material failed to encourage the idea that local quotations were apt to go much lower than the current market position of $2.90 to $4.75 per pound—though no sales at the higher end of the price range have been reported in a long time.

Cananga—The rather more steady price position that developed after the recent but moderate decline in quotations continued to create considerable local stability in the market for this oil. The range on native oil was $2.15 to $3 per pound; rectified, $3.85 to $4.10. Business with the origin won't be easy until the political turmoil now prevailing has been resolved in peace.

Caraway—Selling was along normal lines, demand consisting of needs about even with current requirements but occasionally anticipating future needs within conservative limits. Prices on spot were firm and replacement costs were in similar position.

Cardamom—Nothing at this time suggests the early possibility of replacing current spot stocks with material obtained at lower cost. The raw material position operated entirely against price unsettlement and weakness in the price and market for oil.

Cassia—Civil war and New Year celebration in China operated in the direction of few cables and little information from the origin during the past week. The spot remained very steady.

Cedarleaf—Jobbing business was fairly good. Some quarters said trade had increased moderately and other indicated it was being maintained at levels approximately those in the past fortnight. Quotations lacked signs of any tendency toward early change.

Celery—Business was relatively light but probably no smaller than it had been in the recent past. The more or less stable position or raw material prices tended to make for well maintained spot and replacement costs on the oil.

Citronella—Those recently quoting a minimum spot price of 65c. per pound on Ceylon oil have at last changed their views and brought their quotations more nearly into line with prices held by other sellers for some time past. The minimum of spot quotations last week was 72c. per pound for oil in drums. The high of the range was 96c. and a range met often on spot was 75c. to 85c. Java type oil was not advanced further last week but it was very firm.

Clove—The position of spice from what ever source was said to have strengthened and buds from Madagascar were higher on spot at levels lower than those named from the origin. Oil prices responded to the position of spice, being advanced 10c. and making the market $1.30 to $1.40 per pound.

Coriander—The needs of buyers were few and far between. The supply was ample for much more than current requirements and in price prevailed at levels in line with replacement costs recently.

Cubeb—The situation prevailing in the primary market has not been propitious for the maintainence of normal commerce with the outside world. Though the needs of buyers of oil on spot have not broadened, holders of the available supply have assumed a firmer attitude toward quotations while awaiting events.

Dill—The market was generally quite and the outlook for trading during weeks immediately ahead favored jobbing interest rather than takings of more substantial size. Prices were firm.

Eucalyptus—Activity was limited mainly to small orders that were not too plentiful at any time during the past week. Supply was ample in all respects and expanded needs could be accommodated. Prices seemed to be generally steady; no sign of change.

Ginger—Reports indicated that the crop of Jamaica ginger root was not only late but also relatively small. Hence, some thought that African root would play an increasing part in meeting world requirements. Prices for distilled oil were quiet. So was demand.

Grapefruit—One quarter dropped prices to a minimum of 85c. per pound last week; it was a 25c. decline from the previous low. More competition has developed and conditions favored buyers.

Juniper—Ample supply constituted a market position much more satisfactory than did local demand during the past week. Needs were small in size and orders were infrequent. Prices held.

Lavender—More attractive quotations developed on material of 30-32 percent ester content. The market was minimum at $2.50 per pound but some important sources of supply asked upwards of $3.10 and were firm in the maintenance of the latter price level. French flower oil having 38-42 percent ester content held steady to firm on the basis of $3.50 to

For Late Market Developments, See Page 4

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$4.35 per pound. Plenty of both qualities of oil were available on the spot. Russian oil was maintained at $3.75 per pound. Spanish spike oil was none too steady in price but open quotations lacked change at the week end. Demand for all varieties of oil was fair to good but it was also along the line of protecting nearby needs rather than those of the more distant future. Replacement cables were steady.

Lemon—The higher prices have brought some improvement in demand. Sales volume was up considerably but orders were usually kept within moderate limits and were said to reflect some degree of caution on the part of buyers not entirely convinced that all costs entering into the production of domestic oil had solidified to such an extent that later developments might not alter the price position which at the moment appeared to be very firm. However, it probably would require a market increase in the availability of high quality Italian oil at prices under the present market price of $3.25 to affect the position of domestic oil adversely.

Lemongrass—Undertakings of manufacturing consumers were moderate in size and not a great deal of actually firm business reached suppliers of oil during the past week. Prices continued firm on spot mainly because that was their position at the origins.

Mandarin—The sole development was a broadening of the price range on Italian oil. The minimum quotations continued to be $8.75 per pound but as high as $8.90 was wanted in some directions. The range was thus broadened to the extent of 10c.

Nutmeg—The basic raw material was relatively weak and more favorable quotations seemed not unlikely a development unless conditions at the origin of such material shall reverse their recent position of unsettlement.

Orange—The position of Floridian oil has in some measure been affected by what some prominent suppliers call oil in distressed position. Some transactions were said to have taken place as low as 60c. per pound but for oil strictly USP or better in quality 72c. to 80c. per pound was called a true picture of the market based on actual values. Furthermore, reports indicated that stocks of the so-called "distressed" oil have decreased considerably. Also, that some consumers aloof from the market for some time past have reappeared in the market in search of quality merchandise.

Some of the general unsettlement of the market could also trace some price shading recently noted in the market for California oil. A principal source of supply has been maintaining its price steadily at $1.75 per pound at a time when other sources have been naming around $1.25 and reports have suggested $1 as being possible.

Some in the market mulled over the fact that whereas all items creating the cost of lemon oil recently brought a sharp rise in the quotations on domestic lemon oil, such increases in costs seemed not to have been influential on the selling price of orange oil. Yet, it was suggested, higher wages, transportation, and packing costs presumably prevail in the production of orange oil.

Patchouli—Trading was routine in character, involving prompt requirements of a moderate number of buyers who paid full prices of the range of $6 to $18 per pound, depending on quality and seller.

Pennyroyal—So far as could be ascertained, no domestic oil was being offered; it was said that relatively none was produced for dealers in 1948. Imported merchandise was in routine request at $2.30 to $2.55 per pound but the position was steady.

Peppermint—The feeling that declines had probably run the major portion of their possible recession seemed to prevail last week. It was suggested that unsold oil still held in the primary markets was probably smaller in total than some dealers had thought. At the very least, suppliers had very steady views last week and satisfied a fair request for natural oil at $6.90 to $7.95 per pound; and for redistilled oil at $7.15 to $8.30.

Petitgrain — Though still lacking the strength supplied by good sized demand for spot parcels of this oil, the market prices failed to decline further, remaining on the basis of $2.75 per pound as the minimum of local quotations at the end of the week.

Sage — Foodstuff manufacturers were not active traders in the market for this article last week but absence of more interest than was displayed failed adversely to affect prices at any time. Quotations were steady to firm in practically all directions.

Sandalwood—The generally smaller national buying of this article that has resulted from the appearance of sharply competing chemical products, together with the well maintained price of sandalwood billets and the cost of producing oil therefrom, have been conditions that, combined, have made for a static price position at $13.75 to $16.30 per pound according to seller.

Sassafras—The season during which new production of domestic natural oil will be undertaken is not far off but local sellers indicated that the cost of production will be influenced adversely by lack of normal supply of labor and the relatively high wages that have to be paid.

Savin—A prominent supplier reported an improvement in the availability of this material at a cost permitting much lower spot quotations than had been possible previously. The market was down to $3 to $3.25 per pound under light demand.

Snakeroot—A substantial expansion in production probably would not restore normal stocks of this market. However, demand in the recent past has not been such as to encourage suppliers to pay the higher prices that increased output might entail. The market continued to be very quiet on oil not broadly distributed here.

Spearmint—The local market was relatively quiet. Buyers were in the market mainly for hand-to-mouth needs and the total of trade was on the low side. Prices weakened and, then declined to the basis of $4.35 to $4.65 per pound. Buyers were disposed to trade on the basis of bids.

Tansy—Small supply seemed to be mainly responsible for the maintainence of prices at levels considerably above those previously considered as normal. However, lessened demand may also have been influential in developing a new normality of values.

Thyme—Manufacturing consumers were not numerous in the local market last week. The calls were moderate in number and quantities needed rarely exceeded amounts possibly best described as jobbing in size. Local quotations failed to weaken and were held to a position said to be in alignment with last prices from the origin.

Vetiver—No further advancing of prices came to light last week but the firmer situation that had been productive of higher quotations on Bourbon oil in the previous week were unchanged and undertones remained very firm throughout a period of moderate call.

Wintergreen—Relatively low consumption was said to account for high prices that some quarters have been able to obtain for oil free from any suspicion of synthetic methyl salicylate. Such oil has been fetching a minimum of $14.25 when sold at all. Minimum quotations, however, were $8.75 for the northern and $3.05 for the southern products. Synthetic methyl salicylate was 40c. to 45c. per pound in drums as to quantity. Chemical tracers put into specific shipments of synthetic methyl salicylate have eventually turned up in oil alleged to be pure, unadulterated natural wintergreen oil.

Wormseed—A quiet market was generally reported and prices held more or less steadily on the basis of $3 to $4 per pound.

Wormwood—Buying was solely in small quantities. The remaining purchasers of this oil traded only as goods were needed and that fact caused business to be strictly jobbing in character. Prices remained more or less steady at a minimum of $6.65 per pound.

Aromatic Chemicals

Amyl Salicylate—Undertones were firm. Production costs have not changed in favor of buyers and, hence, quotations on the finished product were reported to be well maintained. Available supply was said to be generally satisfactory in size.

Anethol—The market was very steady. Though demand showed little expansion, it was well maintained at levels approximately those of the past fortnight or two. Competition was a negligable factor in transactions since sellers held relatively strong views on the product, considering the raw material position.

Benzaldehyde — Sufficient business in the NF quality of merchandise was done to keep prices relatively firm and to eliminate weakness that greater competition would have indicated.

Heliotropine—Fair sized requirements were current in the local market and sellers were not much disposed to compete for the trade if price concessions were needed to get proposed business.

Methyl Salicylate—The producers maintained a stable market at 40c. to 45c. per pound and indicated their ability to supply all probable requirements foreseeable for some time ahead.

Vanillin—The resale vanillin reported in the previous week had been offered by a single source and was sold into consumption. Last week, the buyer-view was $2.50 per pound, but the broker handling the transaction stated that he was unable to obtain any more resale material although he had a firm order in hand. The market on lignin vanillin was minimum at $3 per pound as quoted by the maker.

Spain Sets Special Rates For Export, Import Trade

The government of Spain has announced special exchange rates applicable to import and export transactions in a list of products. Included on the list were the following, with the special exchange rate in pesetas to the dollar:—

Salt, 12.59; carob bean gum, licorice extract, 13.14; fluorspar, tuna liver oil, vitamins, 14.23; botanical drugs, 15.33; saffron, toilet preparations, essential oils, pharmaceutical preparations, 16.42; wolfram, 17.52; tartaric acid, 18.07, and ergot of rye, 21.90. The official rate of 10.95 pesetas to the dollar remains in effect for other foreign trade transactions.

Critical Materials

—Continued from page 4

materials sought for the stockpile, it has not been considered feasible to place contracts for adequate quantities of these for early delivery. Large purchases out of tight current stocks would have a tendency to increase prices. To avoid this effect, and to develop increased production, without sacrifice to the objectives of the program, contracts have been placed for longer term delivery.

Although it is no longer considered practical to purchase only materials which are surplus to current industrial needs, purchases in direct competition with commercial consumers are avoided where possible, the report said.

While national security must be considered paramount, economy is a primary rule in buying. The Munitions Board has followed the policy of never paying more than the market price for materials, and all purchases have been made on this basis.

Botanical Drugs

—Continued from page 74

further advance on more buying. Zanzibar spice was also higher, standing at 20½c. to 21c. per pound for spots.

Ginger—The Jamaican crop was reported late and considerably smaller than the previous one. Little dependence can be placed on a supply of Cochin root. Therefore, the position of African root has strengthened sharply and spot prices went to 18½c. to 19c. per pound.

Mace—Amboyna goods were down to 83c. to 85c. per pound and No. 1 Siauw went lower to 90c. to 95c. Banda and West India merchandise did not change.

Nutmegs—West Indians held unchanged for the first time in several weeks. East Indian nutmegs on the spot dropped to 45c. to 46c. per pound.

Pepper—The crumbling prices of the previous week first coagulated in steadier position and then expanded under the influence of buying. Not much released pepper was found. Black pepper rose to 64c. to 65c. per pound for spot and nearby deliveries. March shipment was raised to 53c. to 54c. per pound and April shipment was held at 51c. to 52c. White pepper proved to be quite scarce and a very little buying put prices up to 74c. to 77c. with firm holders at both ends of the range.

The future positions may be potentially weak but spot and nearbys are sensitive to whatever demand there may be, this because of short stocks of released merchandise. One operator said that if all the pepper in the producing areas was available for shipment, the general shortage would be ended. Shortage, to this operator, seemed likely until the Netherlands East Indies again becomes a competitor in the world market.

Fritzsche Engages Fielding

Fritzsche Brothers, Inc., essential oils, aromatic chemicals and perfume raw materials, New York, has added Fred W. Fielding to the staff of its perfume division. Mr. Fielding has been affiliated with the perfume, cosmetic and aromatic chemical industries for the past twenty years.

Talcum Powder Production In Philippines Considered

A company that is preparing to manufacture toilet preparations in the Philippines is also considering the manufacture of talcum powder from native Philippine talc, according to a recent report from the American Embassy at Manila. However, the report states, it is not believed that locally produced talcum could compete with unrestricted imports from the United States unless new deposits of considerably high quality could be found.

The plant under construction by the company, which is expected to go into production at any time, will manufacture pomade, brilliantine, hair and face lotions, lipstick, nail polish, toothpaste and toilet soap.

Trade Briefs

Miss Jacqueline Cochran, president of Jacqueline Cochran, Inc., cosmetics firm, has taken over direction of the company's advertising and promotion program.

Toilet Goods Association has appointed Miriam G. French to handle publicity for the repeal of the 20 percent excise tax on cosmetics.

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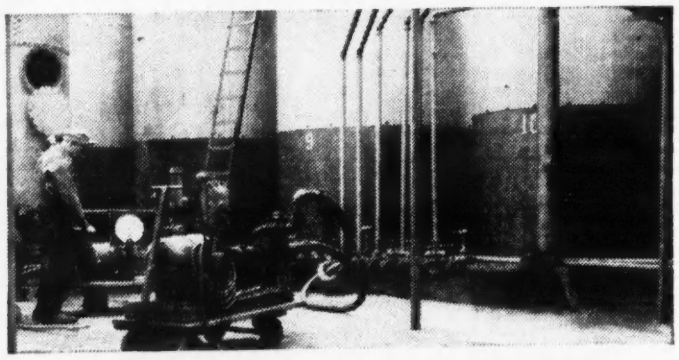

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	SPECIFICATIONS Max.	Min.	Typical Analysis
Specific Gravity at 15.5/15.5°C	0.875	0.860	.861
Refractive Index at 20°C	1.478	1.465	1.466
Unpolymerized Residue ($38N\text{-}H_2SO_4$)	2.0%	.....	0.8%
Distillation:			
Initial Boiling Point	160°C	150°C	154°C
Distilling below 170°C	.....	90%	95%

Properties

Flash Point: Approximately 98°F (Tag open cup).

Optical Rotation: Above + 25°.

Solvent Power: (Kauri Butanol): Approximately 57 ml.
(Aniline Point): Approximately 18°C.
(Mixed Aniline Point): Approximately 44°C.

Commercial Information

Code Word: TURPS.

Containers:

Tank Cars: 8000 and 6000 gallons.

Compartment Cars: 3 x 2000 gallons.

Drums: 56-gallon galvanized drums, net weight, 392 lbs. (Gross weight approximately 450 lbs.).

Cans: Full line of lithographed tin cans, packed in corrugated cartons, contents in standard U. S. gallons, imperial gallons, and litres.

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Protective Coatings Materials

Prices of domestic casein and diethyl phthalate fell off in last week's market for protective coatings. Singapore No. 1 dammar, however, was on the upside. Other materials held firm.

The decline in domestic casein, which amounted to one cent per pound, was attributed to recent softening in the milk powder market. Further reductions were expected, but probably not until the March milk flush. Imported casein remained steady, while advices from Buenos Aires indicated that the long-awaited devaluation of the peso was definitely off. There was little buying interest in either grade.

Alcohol, which has piled up reductions totaling more than 60 percent since mid-November, produced a 6-cent drop in diethyl phthalate during the week. Meanwhile, another maker of phthalate plasticizers announced the addition of dioctyl, di-2-ethylhexyl and di-isooctyl phthalates to its line.

Although trading in natural resins continued quiet, Singapore No. 1 dammar was 2 cents higher in New York, a direct reflection of increases at the source. Shellac quotations were firm in New York and Calcutta. Dealers here reported narrower stocks of the better grades of orange lacs.

There were still some minor delays in shipments of organic tonors, but most dry colors were in plentiful supply last week. However, organic reds were reported to be improving, and balanced conditions were expected sometime this quarter. Buying interest in pigment materials was at a low ebb, due primarily to seasonal influences. Listings were maintained.

Fillers and extenders were ample. There were no price changes. One producer of alkyd resins announced a one-half cent reduction in one grade. The market for synthetics was otherwise without feature. Demand was sluggish. Supplies were plentiful. Prices held steady.

Market Trends

Prices Advanced

Gum, dammar, Singapore, No. 1, 2c. per lb.
Turpentine, gum, New York, 3¼c. to 4c. per gal.
Savannah, 2¼c. per gal.

Prices Reduced

Casein, dom., acid-precip., 1c. per lb.
Diethyl phthalate, 6c. per lb.
Rosin, gum, New York, B, 25c. per 100 lbs.
D, F, G, H, I, K, M, WG, 15c. per 100 lbs.
E, N, 20c. per 100 lbs.
Savannah, WW, X, 10c. per 100 lbs.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
235.2	235.2	235.2	182.2

(*For Current Prices see Page 9*)

Prime Pigments

Blue, Alkali—The supply position continued excellent. Demand was quiet, due primarily to seasonal influences. Prices were maintained at previous levels.

Blue, Celestial — Inventories continued heavy. Consuming inquiry was sluggish. The price structure held firm.

Blue, Cobalt—There was no dearth of either the genuine or imitation grades. Business was slow. Quotations held steady.

Blue, Iron—Stocks of Chinese, Milori and Prussian blues remained plentiful. Buying interest was at a low ebb, owing mainly to the seasonal slump in the paint trade. Listings were unchanged.

Blue, Methyl Violet Toner—Quotations remained on a par with previous levels. Buyers were not very active. Inventories were plentiful.

Blue, Peacock—Business continued on the sluggish side last week. Producers attributed the lack of market activity to the customary pre-Spring lull in the paint trade. The supply position was considerably in excess of trade requirements. Listings were without change.

Blue, Permanent Toner — In abundant supply during the past week, this pigment material was in fair demand. Producers expected an increase in interest with the onset of Spring painting operations. Quotations were steady.

Blue, Victoria Toner — Inventories remained heavy last week. Interest was unchanged, continuing slow. Prices were at previous levels.

Blue, Violet Toner—Demand was weak during the period under review. There was more than enough material afloat on the market to meet trade requirements. Listings held firm.

Green, Chrome—Both CP and reduced grades were in plentiful supply last week. Buying interest, however, was quiet, due mainly to the seasonal lull. Pricewise, there was no change.

Green, Chromium Oxide—Although demand generally was sluggish throughout the paint industry last week, stocks of the pure grades remained narrow. Listings were maintained.

Green, Malachite—Supplies were ample last week. Demand was below par, due to seasonal influences. Prices were steady.

Green, Phthalocyanin Toner—There was no difficulty about supply in this section last week, as buying interest continued quiet. Quotations held firm at previous levels.

Green, Tungstated—In adequate supply, this pigment material was in only fair demand during the week. The price structure remained on a par with previous levels.

Lithopone — Though demand was still slow, sales were reported better than previously anticipated. Stocks continued plentiful during the past week. There were no price changes, nor were any in the making.

Orange, Chrome — Quotations were steady last week at recently-established higher levels. Supplies were freely available, but buying inquiry was slow.

Orange, Dinitroanilin Toner—The supply position of this pigment material was reported good during the week. Business was off. Prices were maintained.

Orange, Molybdate—Listings were firm following January 1 increases. Demand was poor. Stocks were excellent.

Red, Lithol Toners—Further improvement in the supply position of these and other organic toners was reported in last week's market. Many producers were offering the materials on prompt shipment, but in several cases there were minor delays ranging up to two weeks on orders. Demand, meanwhile, continued sluggish. Prices on both lithol and lithol-rubin toners held firm.

Red, Para Toner—Stocks of this pigment material were similarly easier during the week, due primarily to the seasonal lull in demand. Some producers were making prompt shipments, but others were still encountering delays of up to fourteen days. Normalcy was expected by Spring. Quotations were unchanged.

Red, Toluidin Toner—What was true for lithol and para toners applied with equal force in this section last week. Supplies were definitely better. In some cases, stocks were sufficiently easy to permit immediate delivery. However, in others, the situation was still a little narrow and delays of up to two weeks were reported. Demand was quiet. Listings remained on a par with previous levels.

Titanium Dioxide—Although the paint trade was in a seasonal slump last week, contract buyers were still reported to be taking their full quotas. That the material was still tight was supported by the fact that most producers were still operating under allocation plans. There were no signs of easement in the immediate future. Prices were stable.

Yellow, Benzidin—Supplies were ample. Buyers were only mildly active. The price structure was without variance.

Yellow, Chrome—Business was reported poor, due primarily to the pre-Spring lull in painting operations. The supply position of this pigment material was excellent. Prices were steady at recently-instituted higher levels.

Yellow, Hansa—There was no difficulty about supply in this section last week. Offerings were freely available for prompt shipment. Demand, however, continued on the sluggish side, due to seasonal influences. Prices were maintained.

Fillers and Extenders

Calcium Carbonate—Arrivals during the past week totaled 3,900 bags of whiting from Antwerp and Avonmouth. The market was otherwise without feature. Prices held steady. Stocks were plentiful. Business was poor.

China Clay—Imported last week were 448 bags of China clay from Avonmouth.

Kyanite—Arrivals during the past week were reported at 50 tons of kyanite ore from Calcutta.

Maganesium Silicate — Although the paint trade was still in the throes of its seasonal slump last week, stocks of domestic talc remained tight. Prices were unchanged. Importations during the week totaled 2,000 bags of talc from Genoa.

Mica—Imported during the period un-

For Late Market Developments, See Page 4

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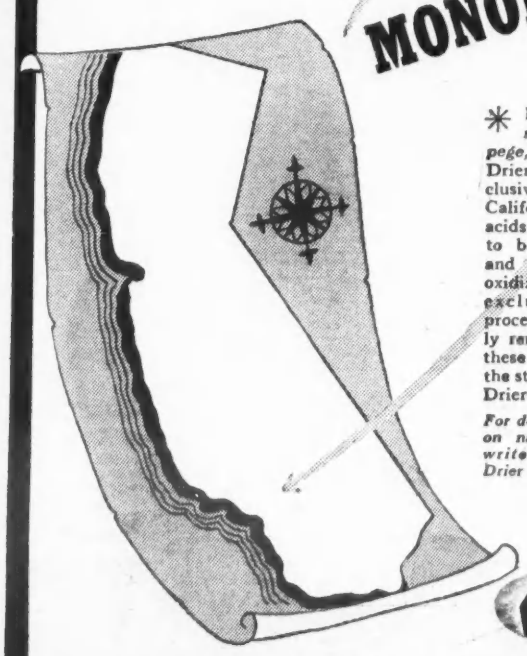

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der review were 445 bags and 3,733 cases of mica from Buenos Aires, Madras, Calcutta, Rio de Janeiro and Lourenco Marques. Domestic production, at the same time, was reported adequate to the demand. However, there was no oversupply. Quotationwise, the market was without change.

Synthetic Resins

Acrylic Resins—Prices were firm last week. Consuming inquiry continued slow. Supplies were ample. Earlier in the month, one producer announced the addition of sodium polyacrylate to its line of resins.

Alkyd Resins—One producer last week announced a reduction of ½c. per pound on one grade. Business was quiet. Supplies were plentiful in view of inactive demand. Earlier in the month, a maker of special plasticizing alkyds lowered two grades 1¾c. and 5½c., while another manufacturer dropped nine grades of alkyds ½c. to 3c. per pound.

Chlorinated Rubber—Quotations were firm last week. Stocks were ample. Demand was on a par with previous levels. Earlier in the month, one maker announced the addition of a variety of new grades to its line of cyclocized dispersions.

Hydrocarbon Resins—The market was without feature during the past week. However, earlier in the month, one producer of petroleum hydrocarbons, raised one grade 1/10c. and lowered pulverized types 1/10c. to 6c. per pound.

Melamine Resins—The price structure was firm last week. Supplies were adequate. Demand continued slow. Earlier in the month, one producer of pure melamines dropped two grades ¼c. to ½c. per pound.

Phenolic Resins — Prices were unchanged last week. Demand was sluggish. All but butylated grades were in excellent supply. Earlier in the month, one producer dropped 60 percent of that line ½c. to 1½c. per pound.

Sulphonamide - Formaldehyde Resins—Prices were steady. Demand was unchanged. One producer of alkyl and aryl types reported that commercial quantities are now available for prompt shipment.

Terpene Resins—There was no change in the market position of these resins last week. Earlier in the month, one producer announced the addition of several new grades.

Vinyl Resins—The market was without special interest last week. Earlier in the month, one maker of polyvinyl acetate resins announced the addition of two solutions and one water emulsion.

Natural Resins

Singapore No. 1 dammar was 2c. per pound higher on the New York market, reflecting increases at the source. With the exception of Batavia A/E, which was in short supply, there was enough of this and other natural gums to go around. Demand was still very slow. The current price of Singapore No. 1 is 30c. to 32c. Arrivals during the past week totaled 165 baskets and 553 bags of copal gum from Antwerp, Macassar and Manila and 208 bags of dammar from Singapore.

Shellac—Better grades of orange lac were reported to be tightening in New York during the week. Offerings of these types were scarce in India, indicating comparable shortages at the source. Buying in this country was said to be on a hand-to-mouth basis, owing to the currently inflated tone of the price structure. Quotations during the past week were steady both in New York and Calcutta. At least one New York dealer stated that present listings would in all likelihood hold at current levels until the arrival of the Bysacki crop in March-April. Arrivals last week totaled 97 bags of buttonlac,

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Elected Sales Head

Richard M. Scanlon has been elected vice-president in charge of sales of Prima Products, Inc., national distributor of "Aquella", and of the Lithogen Corporation, a new company formed to manufacture and market "Lithogen" protective coatings. Mr. Scanlon was formerly associated with the stores merchandising division of the Devoe & Raynolds Company.

2,611 bags of seedlac and 1,140 bags of shellac from Kohsichang and Calcutta.

Lacquer Materials

Diethyl Phthalate—Declining alcohol prices, which have fallen off more than 60 percent since mid-November, finally took their toll on this plasticizer of last week, as producers effected reductions of 6c. per pound on all quantities. Business continued slack. Supplies were liberal. Current market quotations are as follows:—Drums, carload, 27½c.; l.c.l., 28c., and tanks, 26c. per pound.

Dioctyl Phthalate — One maker of phthalate plasticizers announced the addition of dioctyl, di-2-ethylhexyl and diisooctyl phthalates to its line. These materials, now in commercial production, are said to have low heat loss, a low brittle point and good compatibility. At the same time, another maker of dioctyl phthalate reported that that company is currently offering two grades of the vinyl plasticizer with greatly improved color. A new grade of substantially colorless DOP, currently under production, is said to be of special interest to makers of clear transparent plastics. All varieties are currently selling at 43c., tanks; 44½c., drums, carload, and 45½c. per pound, less carload.

Miscellaneous Materials

Asbestos—Importations during the past week totaled 116,000 bags of asbestos fiber from Lourenco Marques. Long fibers continued critically short, and short-fibered asbestos remained ample.

Asphalt—Arrivals last week aggregated 63,825 barrels of petroleum asphalt from Curacao.

Casein—Recent weakening in the milk powder market forced a 1c. decline in the price of domestic casein last week. The action, which was taken reluctantly because of the high-priced milk solids figuring in current casein stocks, moved New York quotations down to 29c. per pound. Producers intimated that further reductions were in the offing, but probably not until the March milk flush. Meanwhile, imported casein held steady at 25¼c. to 25½c. per pound. Further advices from Buenos Aires last week indicated that the purported devaluation of the peso was definitely off. Interest in both domestic and imported casein continued poor. Arrivals totaled 1,500 bags of casein from Buenos Aires.

Glue—Bone grades continued in excellent availability during the past week. Demand was still sluggish. Prices were steady following recent reductions. Hide glues, however, remained as short as ever. Trade requirements were still far in excess of current production. Hide prices were unchanged. Arrivals during the period under review totaled 2,021 bags of crushed bones and 34 bales of gluestock from Buenos Aires and 275 bags of glue from Bremen.

Graphite—Imported during the past week were 1,250 bags of graphite from Colombo. The market was otherwise without feature, prices, supply and demand all holding to previous levels.

Gypsum—Importations last week were

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reported at 11,267 tons of crude gypsum from Hautsport.

Naval Stores

The records of the gum naval stores markets over the week ended February 4 were as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., f.o.b. N. Y. whse. Friday	l.c.l., ex
B	$6.50	$6.50	$6.50	$6.50	$6.50	$7.75	$8.50
D	6.90	6.90	6.90	6.90	6.90	8.10	8.85
E	7.00	7.00	7.00	7.00	7.00	8.25	9.00
F	7.15	7.15	7.15	7.15	7.15	8.30	9.05
G	7.15	7.15	7.15	7.15	7.15	8.30	9.05
H	7.15	7.15	7.15	7.15	7.15	8.30	9.05
I	7.15	7.15	7.15	7.15	7.15	8.30	9.05
K	7.15	7.15	7.15	7.15	7.15	8.30	9.05
M	7.15	7.15	7.15	7.15	7.15	8.30	9.05
N	7.15	7.15	7.15	7.15	7.15	8.30	9.05
WG	7.35	7.35	7.35	7.35	7.35	8.45	9.20
WW	7.80	7.80	7.81	7.75	7.75	8.75	9.50
X	7.80	7.80	7.81	7.75	7.75	8.75	9.50
	Drums						
Sales	76	...	200	200	100		
Receipts	143	...	13	...	896		
Shipments	96		87		*		
Stocks	17,686	17,686	17,612	17,612	*		

Gum Turpentine

	Savannah Exchange—Bulk— Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. N.Y. whse. (7 lbs.) Friday	ex
Per gal.	.39	.39	.39¾	.40	.40	.46¾	.58
Sales, bbls.	160	...	...	320	80		
Receipts, bbls.	2,716	...	617	...	3,838		
Shipments, bbls.	6	...	338	156	3,843		
Stocks, bbls.	15,469	15,469	15,748	15,592	15,587		

* Not available.

N.Y. Paint Technicians Study Titanium Pigments

Rutile titanium calcium pigments were discussed at a meeting of the New York Paint and Varnish Production Club held on February 3 at the Building Trades Employers Association, 2 Park avenue, New York.

F. B. Stieg of the Titanium Pigment Corporation discussed the specific requirements for a white pigment of optimum performance in both interior and exterior trade sales finishes, and then proceeded to show how titanium calcium pigments of the rutile type fit those requirements.

In addition to being highly decorative and at the same time protective, Mr. Stieg pointed out that a pigment must have high brightness, high opacity, good durability, a proper bulking value, versatility in its applications, and be low in cost.

H. V. Alessandroni, also of the Titanium Pigment Corporation, reviewed the history of titanium pigments, discussed in some detail the production of the early types of pigments and the subsequent research developments and manufacturing refinements which have resulted in the markedly superior titanium pigments of today.

The rigidity of production control and of process operations were stressed, and the effect of any laxity in such control was described as ruinous to color and other pigment properties.

Corrosion Resistant Paints Developed by Poly-Cyclo Co.

A line of corrosion resistant plastic coatings designed for the chemical processing industry for general maintenance of processing equipment has been developed by the Poly-Cyclo Products Company, Cleveland. The new coatings are described as inexpensive, easily applied, high solids synthetic paints that are unsurpassed in protecting metals, wood and ceramic surfaces against attack by corrosive fumes, condensates and spillage.

Los Angeles Paint Technicians Hear Tall Oil Output Described

Dr. C. B. F. Young, of the National Southern Products Company, delivered a description of the production of tall oil at the recent meeting of the Los Angeles Paint and Varnish Production Club. Assisted by George Eick and Carl Perkins, Dr. Young outlined the methods used in the production of tall oil and described its uses in industrial applications.

Du Pont Names Shrawder

—Continued from page 4

promotion manager post, and Willard F. Spengeman was named division head of the color sales service laboratory.

Mr. Shrawder joined the du Pont organization in 1934 as a research chemist in its pigments plant at Newport, Del. He transferred to sales work in 1937, and in the following year became technical representative in the west coast area. In 1947 he was named manager of west coast sales and was transferred to Wilmington in 1948 to become manager of technical sales.

Celanese Names Porter To Plastics Sales Post

The Celanese Corporation of America, New York, has appointed W. M. Porter assistant general sales manager of its plastics division. J. J. Keville, jr., former assistant director of sheet sales, has been named to succeed Mr. Porter as sales director of that department, and E. H. Miller has been appointed director of molding materials sales. J. T. Growley, former New Jersey representative, succeeds Mr. Miller as New York district sales manager.

Imperial Paper & Color Makes Phila. Appointments

Imperial Paper & Color Corporation, Glen Falls, N. Y., has announced two appointments in the Philadelphia territory. Henry LaBelle has been named district manager, to succeed Joseph P. Hervieux, who has retired because of ill health. Fred C. Barber has been appointed a salesman and will cover a part of the territory formerly handled by Mr. Hervieux. Mr. Barber has been with Imperial since 1935 and spent a number of years in its technical service laboratory.

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Oils, Fats and Waxes

Conditions in oils and fats continued unsettled last week and further price recessions featured the market. Price index declined to 153.4, compared with 169.4, a month ago and 216.0 at this time last year.

Buying interest failed to improve despite additional export allocations for the first quarter of the year and the removal of controls on exports effective February 7 of inedible oils and fats to foreign countries outside of Europe. Soybean oil was the weakest on the list, and was under selling pressure reflecting the sharp break in bean prices. Cottonseed oil declined fractionally and was comparatively steady compared with soybean oil. Corn and peanut oils also were off fractionally.

Coconut oil was weak, and declined more than 1½ cents, owing to liberal offers for shipment, lower copra and slow demand. Weakness in lard was a contributing factor in the decline of edible oils and broke to the lowest levels since 1942.

Tallow and greases became steadier after declining fractionally and moderate volume of business was reported for export at the lower levels, while domestic users showed little interest in the market.

Consuming inquiry for linseed oil and other drying oils continued slow. Fish and tung oils were easy and quotations could have been shaded for sizable quantities. Crushers quotations for linseed oil were unchanged, while resellers offered oil at concessions for carlot quantities.

Shortening was reduced 2 cents per pound and soap prices 6 percent last week.

Export controls were lifted on most inedible oils and fats, effective February 7 to all areas of the world except Europe, it was announced by the Office of International Trade. The oils and fats decontrolled were:—tallows and greases, flaxseed, linseed oil, all soaps, fish oils, olive oil foots, stearic acid, oleic acid, neatsfoot oil, vegetable oil fatty acids, vegetable oil foots, and soap stock.

PMA announced that 6,411,680 bushels of 1948-crop soybeans and 1,186,351 bushels of 1948-crop flaxseed were placed under price support loans through December 31, 1948. In addition, price support purchase agreements as of that date covered 4,065,410 bushels of soybeans and 2,478,772 bushels of flaxseed.

Cottonseed Oil

Prices of bleachable cottonseed oil futures declined steadily during the major part of the week with lard, grains and soybeans. While the prices were off, the market did not score new lows for the season in comparison with lard. Lard broke over 1c. per pound, and reached lowest levels in six years. Comparative steadiness in crude cottonseed oil was a sustaining factor in bleachable oil futures. The market rallied late in the week under hedge lifting and short covering and the technical position appeared improved. Consuming demand for refined oil continued inactive and quotations were nominal. Winterized refined oil was quoted at 18c. per pound, tankcars, New York delivery.

Crude cottonseed oil trading was light and sales were reported at 13¾c. per pound, tankcars, Southeast and Valley, with sellers and buyers not pressing for business. Prime cottonseed was inactive and held at $60 per ton, f.o.b. ginning points.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended February 4 follow:—

	Sales	Cents per pound—High	Low	Close
March	554	17.15	16.30	16.46S
May	703	17.10	16.38	16.51—16.52S
July	164	16.95	16.38	16.47S
September	9	16.85	15.70	15.50@15.70
October	15	15.90	15.60	15.50@15.65
December	..	....	....	15.00@15.75
January	..	....	....	15.00@15.60

Total sales—1,445 tankcars.

Memphis.—Light sales of crude cottonseed oil at 14c. per pound, tankcars, Valley basis. Buyers and sellers indifferent. Cottonseed meal, 41 percent, $60 per ton, Valley, prompt shipment. Prime cottonseed nominal at $60 per ton, f.o.b. gin points, with trading slow. Sellers holding for higher prices.

Market Trends

Prices Advanced

None

Prices Reduced

Candelilla wax, 5c. per lb.
Carnauba wax, 2c. to 6c. per lb.
Coconut oil, 1½c. per lb.
Copra, $15 per ton.
Corn oil, ½c. per lb.
Cottonseed oil, ½c. per lb.
Grease, ¼c. per lb.
oil, ½c. per lb.
Lard, 1c. per lb.
Palm oil, 1c. per lb.
Peanut oil, ½c. per lb.
Soybean oil, 1c. per lb.
Tallow, ¼c. per lb.
oil, 2c. per lb.
Teaseed, oil, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
153.4	157.0	169.4	216.0

(For Current Prices see Page 9)

Linseed Oil

Lack of improvement in the demand and lower cost of other drying oils have unsettled this market. Crushers named raw oil at 27.6c. per pound, tankcars, New York basis, with resale oil reported available at about ½c. below this figure. Paint production was reported materially smaller, which was reflected in the inactive demand for oil against former orders. Tung oil was quiet and nominal at 20¾c. per pound, tankcars, New York and liquid oiticica oil was nominal at 16¾c., tankcars, same basis.

Minneapolis.—The oil market can be summed up in a few brief sentences. Demand for oil was light and spotty, price basis at 27c. per pound, zone 1, in tanks and movement into consuming channels at a steady rate. Mill production continued at a relatively high level with surplus production, that not being ansorbed by the trade, moving to the CCC in steady volume. Crushers said that the daily shipments from Minneapolis included oil scheduled for CCC destination. Shipping orders on maturing contracts were in fair volume, somewhat slower than January, and buyers were not interested in taking any more oil than they could use at the moment. Paint dealers were playing it quite close to the marginal edge and buying and ordering out oil on a hand to mouth basis. Some of the other manufacturers were taking a little broader view of the situation but no one appeared to be anxious to go into the late spring months with any volume ot oil on hand, unless it was hedged by sales of finished products.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	7,260,000	5,820,000
Since Sept. 1	98,618,000	153,860,000

Flaxseed—Stocks of 39,309,000 bushels of flaxseed were in all storage positions on January 1, 1949, compared with 27,836,000 bushels a year earlier. From the supply of 59,683,000 bushels (carryover of 7,131,000 plus new crop of 52,552,000 bushels) disappearance is computed at 20,374,000 bushels. Processors consumed 20,307,000 bushels in the July-December period, according to reports to the Census Bureau. Included in the current stocks are 8,292,000 bushels of flaxseed still on farms, as estimated by the Crop Reporting Board. Of these farm stocks 3,277,000 bushels are estimated to be on farms in North Dakota, 2,865,000 bushels in Minnesota and 1,558,000 bushels in South Dakota, with only 592,000 bushels in all other flax-producing States. Of the off-farm stocks, 21,261,000 bushels were at terminals as reported by the Production and Marketing Administration, and 9,756,000 bushels were at processing plants and interior mills, elevators and warehouses, mostly in Minnesota, North Dakota and California.

Minneapolis.—The flaxseed market was in the doldrums, occasional lots coming out of local elevator or crusher store and sold to the CCC at the support price. Buyers were not very active in the cash market but there was enough demand to absorb the very light daily offerings at the support price of $6 a bushel. Crushers are taking a very dim view of the future and most appeared to be planning to cut stocks to a bare minimum during the next few weeks. The problem of moving from a $6 support price to a $4 (approximate) support level is one that still needs to be solved and the private trade is completely at sea as to the repercussions that will follow in the wake of the government's move. Complicating the problem is the nearness of the first run of the new crop of flaxseed from the winter belt. New crop harvest offerings will come in April and May to complicate the settlement of the new crop support program. Crushers have few worries about flaxseed stocks as they can turn any surplus over to the CCC at any time and it is understood that the government will give ample warning to the

For Late Market Developments, See Page 4

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trade when it is decided that the support program will be terminated.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	76.500	180.200	59.500	59.200
Since Sept. 1	25.299.400	17.135.700	4.718.400	2.516.000

Other Vegetable Oils

Supplemental export allocations were announced for 35,000,000 pounds each of cottonseed and soybean oils and lard, February 1. This brought the total export allocations for edible oils and fats and oilseeds to 729,000,000 pounds, oil equivalent for the six months' period ended March 31, compared with 425,000,000 pounds during the same period last year, according to the Department of Agriculture.

Castor Dehydrated—Trading was slow. Quotations were without change.

Coconut—Light trading was reported in crude oil at 13c. per pound, tankcars, f.o.b. Pacific coast, prompt shipment, a decline of 1c. Best bids were ½c. less.

Copra—Prices were lower and off $15 per ton. Shipments were quoted at $180 per short ton, c.i.f. Pacific Coast.

Copra exports from the Netherlands Indies amounted to 16,180 long tons in December, bringing the total to 238,400 long tons for the calendar year 1948, according to the Office of Foreign Agricultural Relations. This compares with 150,200 long tons in 1947 and 507,400 tons prewar. As in earlier years, the Netherlands was the principal recipient. Production totaled 327,900 long tons in 1948 and 176,100 tons in the previous year. Both production and exports are expected to show improvement during 1949.

Corn—Market developed an easier tone and declined to 14½c. per pound, f.o.b. mills. Refined oil was nominal at 18¼c. per pound, same basis.

Oiticica—Trading was slow. Prices were unchanged and nominal. Liquid was quoted at 16¾c. per pound, drums and tankcars.

Olive—Supplies on the spot were unchanged and steady. Demand was quiet. Spanish oil was quoted at $4.45 to $4.75 per gallon, drums, duty paid and Moroccan at $4.10 to $4.25 per gallon, as to quantity.

Palm—ECA announced the purchase of about 10,000 tons palm oil for forward shipment at the cost of $3,970,000 for strategic stockpiling purposes. The purchase represented nearly 50 percent of the exportable surplus of this oil on Sumatra.

Peanut—The market was practically bare of crude oil and sales of several tankcars were quoted at 17c. per pound, in the Southeast and Texas, following sales at 17½c. early in the week. Production was at a standstill owing to the inability of crushers to get peanuts from the government. Refined oil was held at 21c. per pound, tankcars, New York basis.

Soybean—Lower competing oils and the sharp decline in beans resulted in prices declining 1c. Business was slow. Crude oil was sold at 12⅝c. per pound, tankcars, f.o.b. mills, February. Refined was lower and nominal at 16¼c. per pound, tankcars, New York delivery.

Nearly 180,000,000 bushels of soybeans were stored in all positions on January 1, 1949, according to the Bureau of Agricultural Economics. These stocks are the largest of records, exceeding the previous high mark on January 1, 1943 by about 10,000,000 blushels, and are a fourth larger than on January 1, 1948. The current total includes farm stocks of nearly 75,000,000 bushels, second largest of record, and nearly 37,000,000 bushels in interior mills elevators and warehouses; both of these are estimates by the Crop Reporting Board. Commercial stocks of less than 15,000,000 bushels at terminals, considerably less than usual for January 1, are reported by the Production and Marketing Administration. Stocks of over 53,000,000 bushels at processing plants, as reported by the Census Bureau were exceeded only on January 1, 1947. Total off-farm stocks are about 105,000,000 bushels.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended February 4 follow:—

	Sales	Cents per pound High	Low	Close
March	..	....	....	13.75B
May	..	....	....	13.75B
July	..	....	....	13.50B
September	..	....	....	13.50B
October	..	....	....	13.50B
December	..	....	....	12.00B
January	..	....	....	12.00B

Total sales—None.

Teaseed—Quiet demand and increased offerings, weakened this market and drums

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on the spot were reduced to 23c. per pound. Lower cost of competing oils has considerably cut the use of this oil by the textile trade.

Tung—Business was reported dull and the market easy and nominal. Tankcars were quoted at 20¾c. per pound, New York delivery. Trading was reported at 20½c. at western points. Demand for drums was limited to small lots.

Fats and Greases

Greases—This market remained unsettled and a moderate volume of business was reported at a decline of ¼c. per pound. Trading in choice white were reported at 8½c. per pound, loose, f.o.b. and yellow at 7⅞c., same basis. House was nominals at 7½c.

Lard—Heavy stocks, coupled with selling pressure carried quotations to the lowest levels since 1942. Trading was slow. Cash prime steam lard was offered down to 13.60c. per pound, tierces, and 12¾c. loose Chicago on Wednesday. Lard stocks in Chicago on January 30 were increased to 103,286,560 pounds, compared with 54,357,360 pounds, January 1 and 62,266,040 pounds for January 30 last year.

Tallow—Prices were easier and declined another ¼c. Trading was light for domestic delivery, while a fairly good volume of business was placed for export. Sales of fancy were reported at 8½c. per pound, f.o.b. extra at 8¼c. and special at 8c.

Animal Oils

Degras—Common degras was reported in limited supply and steady. Neutral grades were in fair request, chiefly against contracts.

Grease Oils—Market was easier with the steady decline in tallow and grease. Prices were cut ½c. per pound. No. 1 was quoted at 14½c. to 15c. per pound, drums as to quantity, extra Winter strained 16c. to 16½c. and prime burning, 17c. to 17½c.

Oleo Oil—Prices were easy and entirely nominal. Extra was quoted at 15c. to 16c. per pound, tierces, as to quantity and seller.

Oleo Stearine—Business was inactive and the market unsettled. Prices were merely nominal at 13½c. per pound, barrels, New York basis.

Tallow Oil—Lower cost of basic materials, caused prices to decline 2c. Acidless was quoted at 12½c. to 13c. per pound, drums, as to quantity. Demand was light.

Fatty Acids

Vegetable oil fatty acids were inactive and easy, reflecting the lower cost of basic oils. Quotations were merely nominal and could have been shaded for sizable quantities.

Red Oil — Buying interest was fair, chiefly for immediate delivery. Because of the declining tallow and grease market, consumers showed no interest in forward requirements.

Stearic Acid—Prices were unchanged, with demand confined to actual needs. Undertone of the market was unsettled reflecting the weakness of basic oils and fats.

Fish Oils

Crude Fish Oils—With demand slow, the market was merely nominal. Sardine oil, 11c. per pound, loose, f.o.b. Pacific coast and menhaden, 12c. Atlantic coast.

Refined Fish Oils — Selling pressure continued to depress this market. Business was slow. Quotations were unchanged at the recent decline but entirely nominal.

Cake and Meal

A total of 11,000 long tons of oil cake and meal were sub-allocated to Austria from previously announced allocation to "unspecified" for commercial procurement by PMA.

Cottonseed Meal — There is hardly enough buying interest to constitute a market. Slab cake, 41 percent was quoted at $54 per ton in North Alabama, which is about on a par with the Valley. Sacked 41 percent meal was $5 per ton higher. Trading was dull in the Southeast and a few cars were moved at $57 to $58 basis sacked 41 percent. Thirty-six percent was about $5 cheaper.

Linseed Meal—Market continued unsettled and was off $2, per ton. Inquiry slow.

Minneapolis.—Demand for meal held fair as prices slid down to $70 per ton for all February shipment but as the market showed further signs of easiness, one large manufacturer was offering meal at $69 per ton for the month, demand died out very rapidly. Currently instructions against maturing contracts were in fair volume but meal buyers were not

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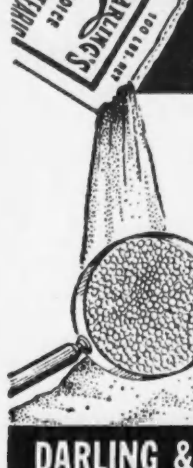

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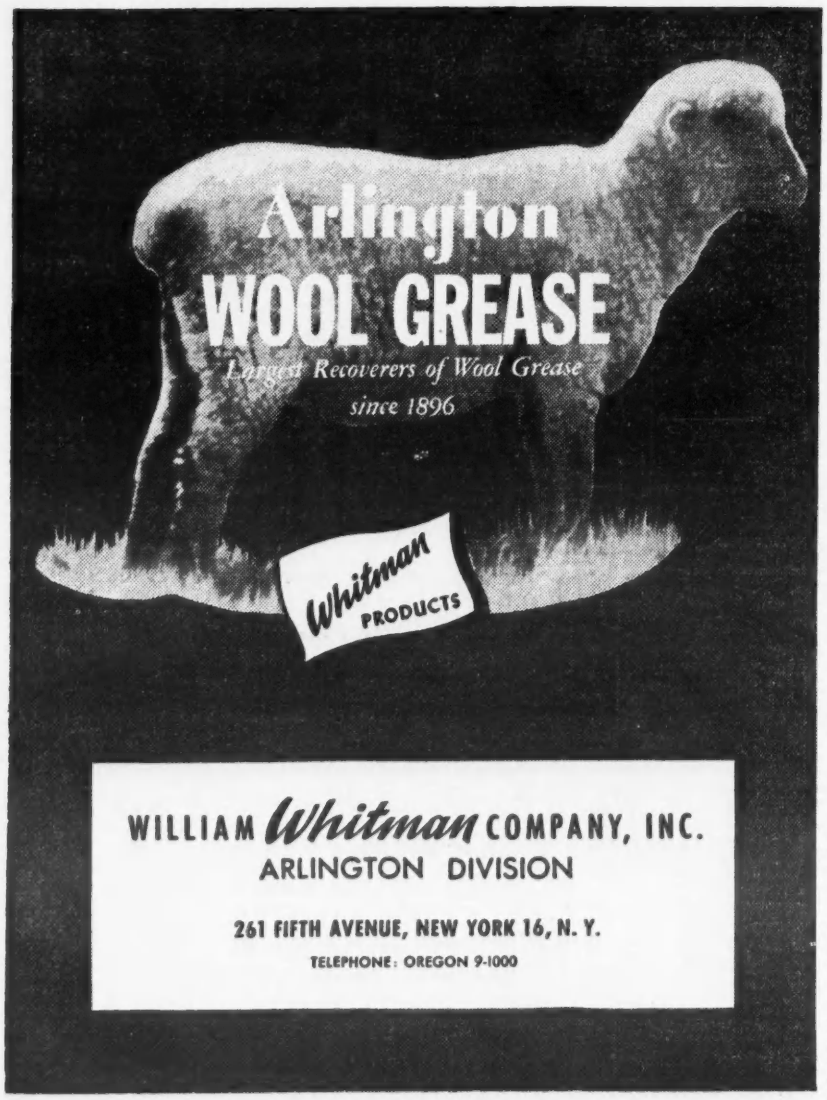

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taking hold of the future market and only buying on a hand to mouth basis.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	11,400,000	12,900,000
Since Sept. 1	267,960,000	241,122,000

Peanut Meal — Stocks are exhausted and there are no meal offerings in the market. The resale cars, sacked 41 percent traded recently at $67 f.o.b. Alabama, Georgia mills.

Soybean Meal—Meal, 41 percent was quoted at $60 to $61 per ton bulk February shipment, f.o.b. Decatur.

Waxes

Candellila—Cheaper prices for replacements have affected the local market and quotations were cut about 5c. per pound. Crude was nominal at 55c. to 57c. per pound, and refined at 59c. to 61c. per pound, as to quantity prompt delivery.

Carnauba—This market was further unsettled by liberal offerings, in some instances below the cost of replacements. Business was inactive and quotations entirely nominal. No. 3, chalky was quoted at 64c. to 65c. per pound, on spot as to quantity and seller; No. 3, North country, crude, 73c. to 75c. and refined, 77c. to 79c. No. 1 yellow ranged from $1.02 to $1.07 per pound, depending upon seller and quantity and No. 2, yellow, $1 to $1.05.

Ouricury—Business was at a standstill, owing to the lower cost of carnauba. Crude was nominal at 75c. and refined, 82c. to 83c.

Spermaceti—Demand was quiet. Prices were easier. Blocks were quoted at 35c. to 36c. and cakes, 36c. to 37c. per pound, as to quantity.

Soap Sales Decline During '48 Reported

Manufacturers' sales of non-liquid soaps during 1948, as reported by companies representing approximately 90 percent of the industry tonnage, amounted to 2,491,380,974 pounds, according to the Association of American Soap and Glycerine Producers. Tabulations of the association's quarterly sales census just completed for the year 1948 further indicates sales of liquid soaps amounting to 3,301,148 gallons and synthetic detergents totaling 401,685,000 pounds.

Using only reports from companies where comparison with 1947 figures can be made, sales of non-liquid soaps in 1948 were 11 percent less than for 1947. Sales for the fourth quarter of 1948 were 31 percent less than for the fourth quarter of 1947 and 16 percent less than sales reported for the third quarter of 1948. Liquid soap sales reported for the year 1948 were only 2 percent less than reported for 1947. Fourth quarter 1948 liquid soap sales showed a 35 percent increase over the fourth quarter of 1947 and a 39 percent increase over the third quarter of 1948.

No data are available for synthetic detergent sales in 1947 but the quarterly reports for 1948 reflect a steady increase. In the first quarter 69,034,000 pounds were reported, in the second quarter 96,826,000 pounds, in the third quarter 115,629,000 pounds and for the fourth quarter 120,196,000 pounds.

Fats, Oils Controls

—Continued from page 3

supply of edible oils and protein meals now in this country as a "huge surplus." He added that at the present rate of allowable exports of edible oils, there will be a surplus of over 500,000,000 pounds by the end of the year.

The effect of increasing stocks, he added, is already being felt in the price levels. In May, 1948, Mr. Durand stated, cottonseed oil sold for more than 40c. a pound at the mills. In November, when marketing was at its peak, the price had dropped to 20c. at the mills and last week the price was 13¾c., or less than the last OPA ceiling price.

A. W. Gillam of the American Meat Institute urged a lifting of export controls to help the movement of surplus fats and oils, stating that ECA countries are in dire need of our fats and what can be moved to them should be moved. Similarly, George M. Strayer, secretary of the American Soybean Association said that supplies of fats and oils in the country are beyond our needs and should be made available to other parts of the world where they are needed.

In his testimony, Mr. Strayer charged that during recent months Secretary of Commerce Sawyer has refused to honor allocations recommended by the Department of Agriculture, and that the latter agency had repeatedly recommended sizable allocations of fats and oils.

Oils, Fats Production, Consumption: December

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for December, 1948, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds—Production	Pounds—Consumption
Babassu, crude	[1]	2,156,000
Refined	610,000	521,000
Castor, No. 1, crude	9,015,000	6,782,000
No. 3, crude	2,613,000	2,235,000
Dehydrated	3,468,000	3,338,000
Sulphonated	.....	239,000
Chinawood or tung oil	1,150,000	8,955,000
Coconut, crude	42,657,000	47,379,000
Refined	21,203,000	21,842,000
Corn, crude	18,960,000	18,435,000
Refined	17,554,000	7,212,000
Cottonseed, crude	212,211,000	195,727,000
Refined	182,495,000	117,056,000
Linseed	62,645,000	31,331,000
Olive, edible	260,000	[1]
Inedible	.....	30,000
Sulphur or olive foots	.....	645,000
Oiticica	.....	1,197,000
Palm, crude	.....	3,194,000
Refined	.....	302,000
Peanut, crude[2]	13,513,000	12,692,000
Refined	11,945,000	4,592,000
Rapeseed	[1]	488,000
Sesame	[1]	57,000
Soybean, crude	160,055,000	119,822,000
Refined	110,908,000	97,934,000
All other	5,432,000	2,495,000

Animal Fats

Lard, rendered (including neutral lard and rendered pork fats)	227,074,000	8,433,000
Neatsfoot oil	256,000	388,000
Tallow, edible	7,515,000	2,830,000
Inedible	106,112,000	105,441,000

Fish and Marine Mammal Oils[3]

Cod	84,000	1,007,000
Codliver	.....	578,000
Marine mammal	14,000	3,551,000
Other fish	[4]5,145,000	10,485,000
Other liver	420,000	388,000

Greases

Greases (including garbage and house), other than wool	52,312,000	48,106,000
Wool grease	1,179,000	1,621,000

Secondary Products

Animal fats and oil fatty acids	15,606,000	14,288,000
Animal foots, 100% basis	2,177,000	2,479,000
Fish and marine mammal fatty acids	1,357,000	418,000
Grease and lard oil	3,454,000	2,587,000
Oleo oil	3,597,000	390,000
Red oil or oleic acid	6,430,000	4,274,000
Stearic acid	6,175,000	4,355,000
Foots, from fish and marine mammal oil (100% basis)	[5]	[5]
Stearin, animal, edible	2,707,000	1,390,000
Inedible	1,557,000	739,000
Stearin, vegetable oil, winter	9,620,000	9,094,000
Tallow oil	1,117,000	984,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	8,262,000	6,216,000

Other Products

Glycerin, chemically pure (100% basis)	10,600,000	7,551,000
crude oil (100% basis)	16,353,000	17,039,000
high gravity and yellow distilled (100% basis)	7,203,000	6,632,000
Hydrogenated oils, edible	115,732,000	118,291,000
Inedible	15,574,000	16,812,000
Shortening	129,341,000	546,000
Winterized vegetable oils	41,250,000	.....

NOTE: Limitations of the consumption data are given in "Facts for Industry" Series M17-7-47, Animal and Vegetable Fats and Oils, 1943-1947.

[1] Included in "All Other" vegetable oils to avoid disclosure of operations of individual establishments.

[2] Data on production collected by Bureau of Agricultural Economics; stocks held by crude peanut oil producers also reported by Bureau of Agricultural Economics, whereas those held at refineries are collected by the Bureau of the Census.

[3] Data collected from Fish and Wildlife Service from fish oil producers are preliminary.

[4] Includes 714,000 pounds of menhaden oil and 2,874,000 pounds of herring, sardine and pilchard.

[5] Not shown to avoid disclosure of individual operations.

Raw Materials Used

	Tons—Consumption	Tons—Stocks Dec. 31
Babassu	[1]	[1]
Castor beans	12,589	10,674
Copra	33,343	26,338
Corn germs	24,426	627
Cottonseed	671,492	2,065,204
Flaxseed	83,972	181,552
Soybeans	500,216	1,602,416
Peanuts[2]—		
Farmer's stocks[3]	6,556	462,707
No. 2 and oil stocks[4]	11,764	14,729
Other	5,848	4,303

[1] Included in other seeds.

[2] Bureau of Agricultural Economics collected the data on consumption and stocks of peanuts.

[3] Weights shown for peanuts in shell.

[4] Weights shown for shelled peanuts.

Soyafeed Building New Soybean Extraction Plant

The Soyafeed & Oil Corporation, East St. Louis, Ill., has awarded a contract to the chemical plants division of the Blaw-Knox Company for the construction of a 200-ton per day soybean extraction plant. The new plant will employ hexane as a solvent in conjunction with modern extraction and recovery equipment. It is scheduled for completion in time to handle the Fall crop of soybeans.

Swift & Co. Opens New Plant

Swift & Co., Chicago, has started operation of its new technical products plant in Hammond, Ind. The first shipment from the plant, a tankcar of decolorized oil for the manufacture of soap, went to the Hammond plant of the Lever Brothers Company.

Fats, Oils Allocations

—Continued from page 3

of lard, one-half commercial and one-half Army procurement.

Italy was allocated 6,600,000 pounds each of cottonseed oil and soybean oil and 6,000,000 pounds of lard, all for commercial procurement.

Austria was allocated 6,600,000 pounds each of cottonseed oil and soybean oil for PMA procurement, and 4,400,000 pounds of lard for Army procurement.

The French zone of Germany was allocated 2,400,000 pounds of lard for commercial procurement.

The Netherlands was allocated 4,400,000 pounds of soybean oil for commercial procurement.

Canada was allocated 6,600,000 pounds of cottonseed oil and 4,400,000 pounds of soybean oil for commercial procurement.

The Philippine Republic was allocated 500,000 pounds of cottonseed oil for commercial procurement.

Uruguay was allocated 880,000 pounds of cottonseed oil for commercial procurement.

Greece was allocated 2,200,000 pounds of cottonseed oil for PMA procurement.

United States commercial projects abroad were allocated 400,000 pounds of cottonseed oil, 500,000 pounds of soybean oil and 1,000,000 pounds of lard, all for commercial procurement.

The balance of 4,720,000 pounds of cottonseed oil, 4,000,000 pounds of soybean oil and 5,000,000 pounds of lard was allocated to "contingency."

Other Allocations Announced

Details of the second group of supplemental allocations announced by the agency were as follows:—

The International Children's Emergency Fund was suballocated 440,000 pounds of lard for commercial procurement from the previously announced allocation to "unspecified"—commercial procurement.

At the request of the government of Colombia, a previous allocation of 550,000 pounds of soybean oil for commercial procurement was cancelled, and an allocation of 880,000 pounds of cottonseed oil for commercial procurement substituted. The difference of 330,000 pounds was charged to the previously announced allocation to "unspecified."

A previous allocation to Trieste of 50,000 pounds of inedible tallow for commercial procurement was transferred to PMA procurement.

Austria was suballocated 11,000 long tons of oilcake and oilcake meal for commercial procurement from the previously announced allocation to "unspecified."

Inedible Fats and Oils

—Continued from page 3

regulations governing all shipments to Europe remain in effect for these commodities. Following is a list of the commodities that have been removed from the positive list:—

	Schedule B No.
Neatsfoot oil	080300
Lard oil	080901
Inedible animal oils, n.e.s. (report oleo oil in 005600)	080998
Fish oils (report medicinal in 811910, 811950 and 811990)	081900
Grease stearin (include lard stearin)	084300
Oleic acid, or red oil	084700
Stearic acid	084900
Tallow, inedible (report ring grease in 085898)	085700
Pig's-foot grease (formerly 085805)	085898
Other hog grease (formerly 085805)	085898
Beef suet	085898
Ring grease	085898
Other inedible animal greases and fats, n.e.s. (report lubricating greases in 504100)	085898
Flaxseed	222003
Linseed oil	223200
Fatty acids of vegetable origin	224801
Vegetable oil foots, except olive oil foots (report olive oil foots in 224913)	224805
Vegetable soap stock (include vegetable tallow if used for soap stock)	224898
Olive oil, inedible, except sulphured or foots (formerly 224915)	224913
Olive oil, sulphured or foots (formerly 224803)	224913
Soap—	
Toilet, fancy and medicated (include gift sets of toilet preparations where value of soap exceeds value of other items)	871100
Laundry and household soap in bars—	
White (formerly 871300)	871310
Yellow (formerly 871300)	871350
Other (formerly 871300)	871390
Laundry, chips and flakes, bulk and packaged (formerly 871600)	871610
Laundry, granulated, powdered, beaded and sprayed, bulk and packaged (formerly 871600)	871650
Industrial soap powders (formerly 871600)	871690
Shaving creams, in bulk only	871800
Shaving powders, in bulk only	871900
Nonabrasive types of pastes, powders, and household washing powders (fat content not over 25 percent) (formerly 872400) (report household washing powders, fat content over 25 percent in 871650)	872450
Abrasive types of soaps (fat content above 10 percent) other than pastes and powders (formerly 872400)	872490
Other soap	872900

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2—J. H. Day 20 gal. Brighton Mixers, tight and loose pulley.

2—J. H. Day 40 gal. Change Can Mixers, tight and loose pulley.

1—Ross 50 gal. Mammouth Change Can Mixer, tight and loose pulley.

TANKS

2—Stainless steel, agitated, each 350 gallons cap., belt driven propellor agitators.

30—Vert. and horiz., riveted and welded, from 2,000 gals. to 12,000 gals.

7—Blue enamel, 30" x 36", 100 gal. ea. Bolted-on dished covers with 14" manhole, 3" bottom outlet, leg supports. One with enameled paddle agitator, belt driven.

SCALES

Approximately 30 Toledo Dial Scales, Portable, Bench and Floor type, range 500-3000 lbs.

PUMPS

Viking Gear Pumps—All iron with safety valves. All directly connected to Explosion proof Motors 3/60/220-440. Ranging from 1½" with 3 HP to 4" with 20 HP Motors.

PEBBLE MILLS & GRINDERS

14—P. O. Abbe 36" x 42" Burrstone and porcelain lined, tight and loose pulley drive, liquid discharge gate.

3—Colloid Mills, each directly connected to 2—Terry 10 HP 5000 RPM Steam Turbines.

1—No. 2 Ball & Jewell Rotary Cutter, direct connected to 40 HP motor.

RUBBER & PLASTICS COMPOUNDING

1—24" x 66"—3 roll Calendar, herringbone gears throughout, with reduction drive, Variable Speed Motor, Controls and all accessories.

1—22" x 20" x 60" Erie Mill, installed new, 1948, with Reduction Drive, 125 HP Synchronous Motor & Controls.

1—Line of 2—22" x 20" x 60" Mills with reduction drive, motor and controls.

1—Line of 4—20" x 48" Mills with reduction drive, motor and controls.

1—18" x 48" Farrell Mill with reduction drive, motor and controls.

1—No. 1 Banbury Mixer, with motor and controls.

1—100 gallon Baker Perkins jacketed double arm Mixer, heavy duty, with drive and 40 HP Motor.

1—Royle No. 3 Strainer, 4½" screw, right angle drive and motor.

1—Royle No. 6 Strainer, 8" screw, spur gear drive and motor.

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6 x 50 Louisville Rotary Steam Tube.
6 x 23 Hersey Rotary Hot Air.
3'6" x 28' Direct Heat Rotary.
5' x 33' Rotary Vacuum.
32" x 72" Buffalo Double Drum Atmospheric.
28" x 60" B&C Double Drum Atmospheric.
Buffalo Vacuum and J. P. Devine Vacuum Shelf, 40 x 42, 5, 6, 9 shelves.

CRUSHING & GRINDING, PULVERIZING

1—Raymond 5-roll High Side, complete with Motor accessories.
2—Raymond No. 000 Pulverizers.
1—Raymond No. 0000 Pulverizers.
1—Size B—Erie City Motor Driven Coal Pulverizer.
1—Raymond 4-roll High Side.
1—Jeffrey 24 x 20, type B, Hammer Mill.
1—Williams 2XX Roller Bearing Hammer Mill.
1—Micro 4TH 24".
1—JB No. 2 Hammer Mill.

KETTLES

3—5,500 gallon Steel Copper Coils, Closed, Agitated.
1—2,000 gal. Steel Jacketed, open top, Agitated.
4—1,200 gal. Steel Lead, coils, lead lined, Closed.
1—1,200 gal. Aluminum, Jacketed, Closed.
1—750 gal. Aluminum, Jacketed, Closed, Agitated.
1—700 gal. Steel Jacketed, open top, non-Agitated.
1—550 gal. Steel Jacketed, open top, non-Agitated.
1—500 gal. Aluminum, Jacketed, Closed, Agitated.
1—500 gal. Stainless Steel, Jacketed, Closed, Agitated.
2—500 gal. Stainless Steel Unjack. Closed Agitated.
1—200 gallon Steel Jacketed, open top, Agitated.

CENTRIFUGALS

1—60" Tolhurst Copper Basket, belt-driven, center slung.
2—48" Troy Steel Basket V-Belt Motor Drive.
5—42" American Tool stainless steel, Direct Motor Driven.
8—40" American Tool, Copper Basket, belt driven, in Battery, with Mixer.

FILTERS

1—No. 12 Sweetland, 4" centers, iron or copper leaves.
1—No. 10 Sweetland, 2" centers, iron or copper leaves.
1—No. 5 Sweetland 2" centers, copper leaves.
1—8 x 12 Oliver Acid Proof.
2—8 x 12 Oliver all steel.
3—8 x 10 Oliver wood stave.
3—36" Sperry 60 plate cast iron, Recessed, center feed, open delivery, hydraulic closing.
4—30" Sperry Skelatons—gear closing.

MIXERS

2—Baker Perkins, Size 17, Jacketed, 200 gallon.
1—W & P, Size 16, Unjacketed, 150 gallon.
8—Baker Perkins, Size 15, Jacketed, 100 gallon.
1—W & P, Size 14, Unjacketed, 50 gallon.
1—W & P, Size 12—Jacketed, 20 gallon.
1—3,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. Stedman Drum Mixer, Motor Driven.

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8' dia. x 12' face Oliver Rotary Continuous Vacuum Filter, lead valve, lead covered drum heads, rubber covered oscillating agitator, lead lined trough, etc. For immediate shipment.

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1—J. H. Day "Hercules" 6 barrel heavy duty mixer.
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1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
1—Sperry 24" C. I. one eye open delivery filter press.
1—19½" dia. x 15" deep ⅜" thick stainless steel kettle with bolted cover. Capacity 16 gallons.
1—Western Bear Cat size 2A Shredder.
1—Gum crusher with 14"x14" hopper.
3—Lehmann 12"x30" five roller water cooled mills.
1—Lehmann 18"x48" five roller water cooled mill.
1—J. H. Day 16"x40" three roller water cooled mill.
1—Kent 12"x30" three roller water cooled mill.
1—24" C. I. closed delivery washing type four eye plate and frame Johnson filter press.

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1—Glasscote 250 gal. Glass-Lined Reactor.
1—Glasscote 300 gal. Glass-Lined Vac. Receiver.
1—Pfaudler 1,500 gal. Closed Glass-Lined Pressure Kettle.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
1—Oliver Rotary Vac. Filter, 5'-4" x 8'.
4—Stainless Steel 48" Sus. Style Centrifuges, Imperforate & Perforate Baskets.
9—Stainless Steel Condensers, 150 sq. ft.
3—W. & P. Mixers, 2, 5 & 15 gals.
3—Fitzpatrick Model D Comminuting Mach., S.S. Parts.
1—Charlotte Stainless Steel Colloid Mill, 20 H.P.
3—Eppenbach & Premier S.S. Lab Colloid Mills.
2—Abbe 6' x 8' Buhrstone-Lined Mills.
4—Day & Ross 20 & 40 gal. Pony Mixers.
10—Horiz. Spiral Mixers, 25 lb. to 3,500 lb.
4—Vac. Shelf Dryers, Lab. to 20 Shelf.

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6—Day, Robinson ribbon type Mixers, 50 lbs. to 1,500 lbs.
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8—Mikro Pulverizers, from bantam size to a No. 2.
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Int. Nickel Issues Booklet

International Nickel Company has issued a new booklet on the reasons for galvanic cell corrosion and the methods for helping to overcome it. The company has made it available without cost.

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5—Simpson No. 0 Intensive Mixers (New).

1—J. H. Day Mogal Kneading & Mixing Machine. Type MBD, Size 5.
1—Patterson-Kelley Jacketed Kettle with agitator, 600 gallons.
2—Shriver Filter Presses, 42" x 42", 46 chambers, plate & frame, with hydraulic closing device.
1—Shriver 36" x 36" plate & frame Filter Press, rubber covered.
1—Shriver Lab. Filter Press, 7" x 7".
1—Mikro Pulverizer, No. 2TH.
2—Buffalo double door Vacuum Shelf Dryers, 12 & 15 shelves.
2—Louisville Rotary Steam Tube Dryers, 6' x 50'.

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Stainless Steel Tanks, new, 100 and 200 gal. dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gal.
50—Pumps (Steam & Electric) used & new.
1—36" Stainless Klein Filter & Slurry Feeder—new.
1—Stedman 10" Cage Disintegrator.
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1—Buflovak Impregnating Tank 42" x 52" steam jacketed.
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4—Steel Tanks, 100,000 gal. each.
1—Steel Tank, 67,500 gal.
Sterilizers 18 x 18 and 24 x 27 with clamp-down covers & safety valves.
1—Sperry Filter, 18 x 18—24 plate.
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1—150 gal. Jacketed Glass-Lined Tank with agitator.
6—Stokes Rotary Tablet Machines, Model RD-4
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL 5—Steel Tanks 35' lg. 5' dia. ⅜" plate—like new.
60—Oak Tanks 3' x 12', closed top, galv. iron hoops & drawlugs—$90.00 each.

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1—Baker Perkins 200 gal. Double arm Jack. Mixer.
1—Lehman 4 Roll W.C. 12" x 36" Steel Mill 20 H.P. Motor.
1—Hardinge Conical Ball Mill, 4½' x 24" & 3' x 24".
4—Allbright-Nell 4' x 9' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers, Cookers & Dryers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7—40"x 42" steam shelves.
1—Badger 42" dia. Monel Bubble Cap Column
1—Buffalo Vac. Drum Dryer 24"x20"
4—Abbe Pebble Mills, 6' x 8', 60" x 48", 30" x 33" & 24" x 36".
1—U. S. Stainless Colloid Mill, 5 HP.
2—Sperry 18" sq. Lead Filter Presses.
1—Shriver 30" sq. Plate & Frame Iron Filter Press; also 24" Recessed.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. Pl. & Fr. Wood Filter Presses, 18" & 24" sq.
Extra 26" Iron Sperry Plates & Frames.
5—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Orville Simpson 20" x 40" 2-deck Rotex Sifter & 40" x 80" Single.
2—Abbe No. 18 Blutergess Sifters.
6—Tyler 38 Jr. Hummer Screens, 24" x 60" & 20" x 60" Split Screen.
1—Robinson No. 10 Saw Tooth steel Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
1—Tolhurst 26" Rubber-Lined Centr.
5—Lehman & Kent 3-Roll Steel Mills, 3" x 9", 9" x 32", 12" x 30", 16" x 40".
4—Stokes 1" Rotary Tablet Machines, RD1 & RD4. Also single punch, ½" to 2½".
1—Colton No. 2 Rotary Tablet Machine.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
8—Jones Type E. A & K automatic Soap Presses.
1—Huber 25 ton Para. Block Press.
3—Houchin 18" x 30" 4-Roll Granite Stone Mills.
11—Sharples No. 5A Stainless Oil Centrifuges late type 2 H.P.
1—Marco No. 200 Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal. lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
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3—Duriron 3" x 2" Centrif. Pumps.
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1—Sameo Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit. Kettles, 250, 400, 500 gals.
25—Stainless Tanks, 50 to 3,000 gals.
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6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel, jacketed Kettles, new & used, 30 to 500 gals.
12—Alum. Jack. Kettles, 30 to 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
15—Port. Elec. Mixers, ½-2 HP.
1—Lab. double steel Ball Mill.
8—Abbe Jar Mills, Lab. to 2 gal. sizes, Single, Double & up to 8 Jars.
1—Abbe No. 0 Rotary Cutter 5 H.P.
1—Williams No. 3 Hammer Mill.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
4—Day Pot Mills, 24" x 32" dia.
6—Centrifugals 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
4—Dopp Jack Kettles 10 to 50 gals.
1—Blystone 2,500 lb. horiz. Spiral & Paddles Steel Mixer.
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10—B & G Steel Tub., 31½ sq. ft.
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1—Brine Cooler—400' coil.

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2—Double Drum, atm., 22" x 38".
3—Rotary Vac.: 5' x 30', 7'6" x 20'.
2—Rotary Steam Tube: 5'6" x 30', 6' x 25'.
1—P & S Atm. Tray: 1,030 sq. ft.
2—Vac. Tray: 100 & 245 sq. ft.
3—Pan Dryers or Grainers: 5' dia. x 30", 9'6" dia. x 30", jktd. & agit.

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1—Stainless steel auto. 4-piston—paste.
1—Stokes No. 2C semi-auto—paste.
1—Stokes No. 80B hand op.—paste.
4—Powder Fillers, semi auto.—auger type.
1—Double Spout Powder Filler—auto.
1—Triangle "Elec-Tri-Pak" bulk filler.
3—Semi auto. Vac. Fillers, 8 spout, bronze.
1—Syphon Filler, 8 spout, stainless.
1—Ayers Tablet Filler & Counter.

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2—Rotary Vac.: 8' x 8' rubber & lead acid proof, 6' x 3' steel.
8—P & F Presses: 12" to 42"—C.I., bronze, wood, lead, etc.
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1—Kent 3-roll Paint, 16" x 40".
1—Kent No. 9 Flat Stone, 20".
1—Thropp 2-roll Plastic, 16" x 30".
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1—Premier Colloid 13, 6", stainless rotor.
1—Hardinge Cont. Conical Ball, 4'6" x 24".
3—Abbe Pebble, 6' x 8', 26" x 12".
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Also Hammer Mills, Attrition Mills, Crushers, Pulverizers, Disintegrators, etc.

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1—Day 150 gal. Horiz. Spiral Mixer, jktd.
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2—DeLaval No. 600 Centrif. Separator.
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1—Susp. Centrif., 40" Stnls. Imp. Bskt.
2—Bronze Cent. motorpump 200 GPM—230', 20 HP, 3 60 220-440.
33—Glass Lined Tanks, 7,500 & 8,250 gal.
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5—Abbe 6' x 8', 5' x 4' porcelain-lined, jacketed Pebble Mills, motor driven.
1—Patterson 3' x 4' jacketed, steel-lined Ball Mill.
20—Powder Mixers, 100 to 4,000 lbs.
2—3TH, 2TH Mikro Pulverizers.
1—Day Ro-Ball No. 81 Screener, 40" x 120", all stainless steel.
1—600 gal. stainless steel jacketed, agitated, closed Reaction Kettle.
10—Stainless Steel Kettles, 50 to 300 gals.
3—Pfaudler 60, 80, 150 gal. glass-lined, jacketed, agitated Kettles.
1—Struthers Wells 400 gal., closed, jacketed, agitated Kettle.
4—Dopp 250, 150 gal. jacketed Kettles.
2—Buflovak Vacuum Shelf Dryers, each with 20—42" x 42" shelves.
3—J. H. Day 3-Roll water-cooled Roller Mills, 12" x 32" and 16" x 40", M.D.
8—J. H. Day 80 and 100 gal. Lead Mixers.
1—Baker Perkins 4½ gal. jacketed, vacuum Double Arm Mixer.
1—Baker Perkins 100 gal. stainless clad Double Arm Jacketed Mixer.
3—Sperry 42" x 42" aluminum Plate and Frame Filter Presses, closed delivery.
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5—S&S, Rodgers Powder Fillers.
20—Olivite Centrifugal Acid Pumps, 2".

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Organic chemist, experienced in production, management, of synthetic organic chemicals—aromatics, dyes, etc., will invest substantial capital and full time services in a going chemical concern in the New York City area or its vicinity. OPD 370.

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Wanted: Two laboratory benches; One fume hood; One sink; One analytical balance; miscellaneous laboratory equipment. OPD 373.

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Wanted—Facilities for spray drying. OPD 371.

MATERIALS OFFERED

Magnesium desoxycholate, crude—600 lbs. Attractive price. OPD 365.

For sale: Titanium dioxide, oil & water grades. Plastic Research & Development Corp., 212 N. 11th St., Phila. 7, Pa.

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Solvents—Large eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write OPD 376.

Will purchase your surplus chemicals, solvents, oils, waxes, etc. Highest prices paid. Our rating $500,000. OPD 377.

Propylene glycol—Wish to purchase any quantity available. John Clarke Co., Inc., 135 Front Street, New York 5, WHitehall 3-6430.

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Wanted — Complete plants, also machinery — large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Industrial Finishes formulator—This is really an opportunity for a man who has had about ten years experience formulating production line finishes and who is now seeking elsewhere the recognition—both financially and responsibleswise—he deserves. This opportunity is afforded by a well-established and recognized paint manufacturer located in the East. Your reply will be treated in strictest confidence. Our employees know of this ad. Address Opportunity OPD 356.

Chemical Market research: Assistant, age 25-35, with training and experience in chemistry and agricultural economics. Duties will require statistical analysis, literature searches, and ability to utilize simple drawing instruments. Location, Southwest area. Send complete details of training and experience. OPD 358.

Wanted—Chemist with 5 years' experience, formulation complete line architectural paints and varnishes, must have production as well as laboratory experience. Desire person with knowledge latest developments synthetic resins and formulation government specification finishes. Age 25-45. Plant located in Cleveland, Ohio. Please give all data and salary desired in reply. OPD 364.

Wanted: Man with experience in operation propylene glycol plant. OPD 372.

Salesmen — unusual opportunity — attractive offer. Well established manufacturer of aromatic chemicals, essential oils and perfume compounds has openings for salesmen with knowledge of the business and a following in the trade. Replies will be treated confidentially. Our staff knows about this ad. OPD 378.

Expanding company has opportunities for tablet-maker and ampule-filling man. Semi-supervisory experience and formulation background required. Because of expansion in pharmaceutical line, this presents excellent opportunity. State qualifications fully and salary desired. OPD 380.

POSITIONS WANTED

Chemist executive. Ph.D. Twelve years' research, process development, production organic chemicals, dyes, intermediates, textile auxiliaries, terpenes, photographic chemicals, specialties, etc. Publications, patents, university teaching. Presently division head large company. Desires responsible executive position or partnership. OPD 366.

Purchasing agent—Chemicals, coal tar dyes and pigments. Broad experience covering organization, purchase planning, source of supply and contract negotiation. OPD 369.

Technical service sales position: Extensive and varied experience in development, production and process control in fine organics field. Desirous of right opportunity to adapt ability to sales. OPD 375.

Pharmaceutical Specialist — Export manager, purchase, sales. Knowledge of export documentation, personal contacts best manufacturing sources, foreign contacts. Fully experienced and know how. Capable, aggressive, responsible. Resume available. OPD 381.

Chemical sales domestic or export. Young executive, widely traveled. Heavy experience organizing sales waxes, dry colors, heavy chemicals. Linguist. College training business administration, chemistry. Best references. Seeks challenging opportunity to apply personal initiative, organizing talent to develop sales, introduce new products. OPD 367.

Chemist, lacquers and synthetics: Five years' experience on formulation of industrial lacquers, synthetics and specialties. Reasonable salary. North Jersey or Metropolitan area. OPD 382.

FOR SALE

Steel Storage Tanks

8—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.

20—10,000 gallon, Coiled TANK CAR TANKS.

Available at Once!

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FOR SALE

Pebble Mills: 6x5', 5x4', 4x5'.
Reactor: 200 gal. Pfaudler, jack., ag.
Centrifugal: Rochester 30" suspended.
Vacuum Mixer: W. & P., 20 gal.
Dryer: Vacuum Chamber Devine No. 5 10-shelf.
Liquid Fillers: Siphon and Vacuum.
Fillers: Tube-Jar, hand and motor dr.
Fillers: Stokes & Smith, Triangle.
Tablet machines: Colton No. 4 and No. 5T.
Filter Presses: 24" cast iron, 24" wood.
Oil Expeller: Anderson RB.
Kettles: Stain. Steel, all sizes. (New).
Powder Mixers: 600, 1,000, 1,500, 2,000 lb.
Coating Pans: 38" copper, coils, motor dr.
Labelers: Bottle and Can.
Mixers: 3-speed Hobart, Read, Glen.
Pumps: Stain. Steel Centrifugal, 2 hp.

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Pebble Mills: 1 and 4 gal. Jar Mills.
Roller and Frame Types.
3' x 3' Hardinge Ball Mill.
50 gal. porcelain lined.
2-450 gal. silex lined.
Abbe Rotary Cutter, No. 2.
2-Spencer Turbo Blowers 400 CFM. 16 oz.
No. 0 Blutergress Sifter.
26", 40", 48" Tolhurt Extractors.
No. 3 Mikro Pulverizers. New Megavac High Vac. Pump.
18" Filter Press, 3 Eye P. & F. closed delivery.

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Let us have your inquiries for

Reconditioned Wooden Tight Barrels for Dry Colors or Liquid Purposes

From 30 gal. to 55 gal. capacity

Reconditioned steel drums that will answer the same purpose as new drums. Sizes 15, 30, and 55 gal. closed drums also 55 gal. agitator drums for paint; 55 gal. full removable head drums. Truckload lots to Chicago area. Car load lots beyond Chicago.

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Phone So. Milwaukee 114

In Business 75 Years

FOR SALE

Mixers: W & P jacketed geared both ends, double sigma blades, 100 gal. working capacity, power tilt, jacketed pressure 80 lb.
Day No. 2 Cincinatus double sigma arm belt drive.
Heavy duty, double sigma arm, Baker Perkins, size 16½, 30 hp. motor.
5—Stainless Steel Tanks, 1,400 gallon capacity with leg sockets and angle, for hanging thru floor, man hole on top, 2" drain at bottom.
Kettles: 20 gallon to 1,000 gallon jacketed and non-jacketed stainless steel, copper and plain steel.

SEND LIST OF SURPLUS EQUIPMENT HIGHEST CASH PRICES PAID

AARON EQUIPMENT COMPANY

1347 So. Ashland Ave. Chicago 8, Ill.

Fischer Gets Agency

W. Fischer, Inc., New York, has been appointed eastern representative for M. H. Kielland A/S, oil refiner, Bergen Norway. The New York firm will handle the sale of the foreign concern's medicinal and veterinary grades of codliver oil as well as industrial oils.

Synthetic Fuel Work

—Continued from page 5

enough to meet the extraordinary demand by a narrow margin, but he pointed out that the military and economic risks are great if we rely too heavily upon foreign oil for our future needs.

Domestically, on the other hand, virtually half of our oil came from only 111 major oil fields in this country. It is apparent, the report stated, that new large fields must be discovered at least as rapidly as our older ones lose productive capacity. From 1940 through 1947, however, only eight major fields with estimated reserves of 100,000,000 barrels or more each were discovered and proved in the United States.

Although pointing out that further drilling in existing fields will prove reserves larger than those now known, the report concludes that without a pronounced increase in the number of new major discoveries the prospects for sustaining domestic production over and long period are not encouraging.

Synthetic Resins

—Continued from page 43

TEGLAC-152, c.l., frt. alld. lb. .20 - —
l.c.l., same basis lb. .20½ - —
161, c.l., frt. alld. lb. .19½ - —
l.c.l., same basis lb. .20 - —
164, c.l., frt. alld. lb. .21½ - —
l.c.l., same basis lb. .22 - —

U

UFORMITE resins, F-200E, 50% solids content, ret. dms., c.l., frt. alld., district 1 lb. .26 - —
l.c.l., same basis lb. .26½ - —
F-226E, 50% solids content, ret. dms., c.l., same basis lb. .37½ - —
l.c.l., same basis lb. .38 - —
F-240, 60% solids content, ret. dms., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½ - —
F-240N, 60% solids content, ret. dms., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½ - —
MM-55, 50% solids content, ret. dms., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½ - —
MM-55HV, 50% solids content, ret. dms., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½ - —
MU-56, 50% solids content, ret. dms., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .39½ - —
MX-61, 60% solids content, ret. dms., c.l., same basis lb. .45 - —
l.c.l., same basis lb. .45½ - —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States except for points in Arizona, California, Colorado, Idaho, Montana, New Mexico, Nevada, Oregon, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

V

VALITE 7796-D, bgs., c.l. (80,000 lbs. and over), f.o.b. Lockport, La. lb. .1640 —
20,000 lbs. to 79,999 lbs., same basis lb. .17 - —
less than 20,000 lbs., same basis lb. .18 - .20
VALITE 8123, dms., c.l. (36,000 lbs. and over), same basis lb. .12½ - —
9,000 to 35,999 lbs., same basis lb. .13 - —
less than 9,000 lbs., same basis lb. .14 - .18

Resin 8123 prices are based on alcohol solution of approximately 60% net resin content, but will be correspondingly adjusted for any variations therefrom.

VANADISE resins, grade B, 240-255° F. m.p., whse. lb. .028 - .053
C, 315-340° F. m.p., whse. lb. .022 - .050
D, 170-190° F. m.p., whse. lb. .030 - .053
MR, 260-270° F. m.p., whse lb. .024 - .050
pulverized, whse lb. .064 - .090
solution, whse lb. .19 - .40

VELSICOL AB-11-2, non-ret. dms., c.l., f.o.b. Marshall, Ill. lb. .11½ - —
l.c.l., same basis lb. .11½ - —
AD-6-3, non-ret. dms., c.l., same basis lb. .14 - —
l.c.l., same basis lb. .14½ - —
AD-6-7, non-ret. dms., c.l., same basis lb. .11½ - —
l.c.l., same basis lb. .12 - —
AD-10, non-ret. dms., c.l., same basis lb. .09 - —
l.c.l., same basis lb. .09½ - —
Solutions, AB-200, non-ret. dms., c.l., same basis lb. .09½ - —
l.c.l., same basis lb. .10⅜ - —
tanks, same basis lb. .08½ - —
AB-201-S, non-ret. dms., c.l., same basis lb. .10¾ - —
l.c.l., same basis lb. .11¼ - —
tanks, same basis lb. .09⅜ - —
AD-660, non-ret. dms., c.l., same basis lb. .11⅝ - —
l.c.l., same basis lb. .12⅛ - —
tanks, same basis lb. .10⅛ - —
AD-670, non-ret. dms., c.l., same basis lb. .12⅜ - —
l.c.l., same basis lb. .13¼ - —
tanks, same basis lb. .11¼ - —
VINSOL resin, c.l., f.o.b. works, lb. .05 - —
1,000 lbs., same basis lb. .06 - —
500 lbs. to 999 lbs., same basis, lb. .06½ - —
less than 500 lbs., same basis, lb. .09 - —
Vinyl acetate resin, AYAA, AYAF, AYAT, granular, paper bgs., c.l. (30,000 lbs.), dlvd. lb. .40 - —
2,000 to 29,999 lbs., same basis lb. .43 - —
200 to 1,999 lbs., same basis lb. .45 - —
1 to 199 lbs., same basis lb. .60 - —
VINYL acetate resin, AYAC, solid, paper bgs., or fiber ctns., c.l. (30,000 lbs.), same basis lb. .43 - —
2,000 to 29,999 lbs., same basis lb. .45 - —
200 to 1,999 lbs., same basis lb. .47 - —
1 to 199 lbs., same basis lb. .62 - —
Butyral resin, XYHL, XYSG, flake, paper bgs., c.l. (30,000 lbs.), same basis lb. 1.01 - —
10,000 to 29,999 lbs., same basis lb. 1.03 - —
200 to 9,999 lbs., same basis lb. 1.04 - —
1 to 199 lbs., same basis lb. 1.21 - —
Chloride resin, QYNA, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .34 - —
10,000 to 29,999 lbs., same basis lb. .36 - —
200 to 9,999 lbs., same basis lb. .37½ - —
1 to 199 lbs., same basis lb. .54 - —
Chloride-acetate resin, VMCH, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .40 - —
10,000 to 29,999 lbs., same basis lb. .42 - —
200 to 9,999 lbs., same basis lb. .43½ - —
1 to 199 lbs., same basis lb. .60 - —
VYCM, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .39 - —
10,000 to 29,999 lbs., same basis lb. .41 - —
200 to 9,999 lbs., same basis lb. .42½ - —
1 to 199 lbs., same basis lb. .59 - —
VYDR, VYHH, VYLF, VYNU, VYNV, VYNW, VYNY, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .34 - —
10,000 to 29,999 lbs., same basis lb. .36 - —
200 to 9,999 lbs., same basis lb. .37½ - —
1 to 199 lbs., same basis lb. .54 - —
VYNS, powdered, paper bgs., c.l. (30,000 lbs.), same basis lb. .45 - —
10,000 to 29,999 lbs., same basis lb. .47 - —
200 to 9,999 lbs., same basis lb. .48½ - —
1 to 199 lbs., same basis. lb. .65 - —

When more than one grade of resin is required, the price of a combination shipment is determined by the total amount of resin released in a single shipment against a single order when all the resins are produced at and shipped from the same plant. For vinyl acetate, vinyl chloride and vinyl chloride-acetate resins, add 5c. per lb. for less than standard bag quantities.

VINYLITE resin, AYAB, solution 70, 69-72% by weight in acetone, non-ret. dms., dm. lots, same basis gal. 4.65 - —
less dm. lots, same basis gal. 5.25 - —
AYAF, solution 35, 35% by weight in acetone, non-ret. dms., dm. lots, same basis gal. 2.25 - —
less dm. lots, same basis gal. 2.75 - —
Alcohol-acetate resin, solution MA-28-14, MA-28-18, 28% by weight in 82% methyl acetate, non-ret. dms., 20-dm. lots, same basis gal. 2.25 - —
dm. lots, same basis gal. 2.55 - —
less dm. lots, same basis gal. 2.90 - —
solution T-24-9, 24.5% by weight in toluene, non-ret. dms., 20-dm. lots, same basis gal. 2.10 - —
dm. lots, same basis gal. 2.40 - —
less dm. lots, same basis gal. 2.75 - —

Packing charge of $1 per gal. for one-gal containers. Five-gal. cbys. returnable.

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Aramco to Move Offices

The Arabian American Oil Company is planning to move its executive offices and some of the departments of the company from San Francisco to New York The movement will be commenced in May and is expected to be completed by the middle of June. At the same time the company is studying the advisability of consolidating its entire San Francisco and New York organization, and expects to reach a decision during April.

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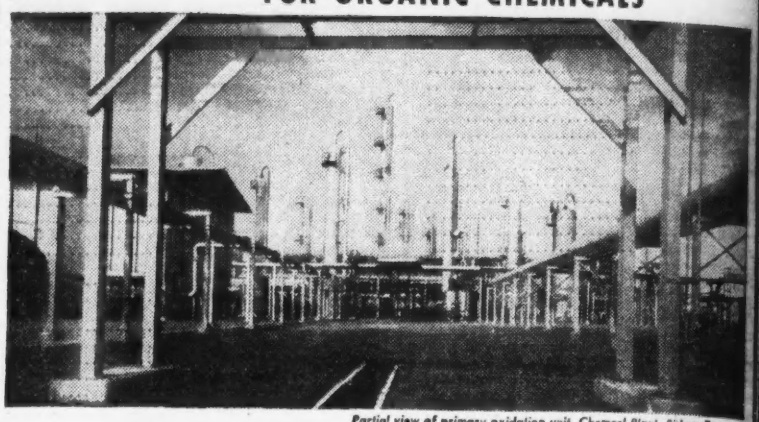

Partial view of primary oxidation unit, Chemcel Plant, Bishop, Texas.

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